510

Collections by the Exploratory Fishing Vessels Oregon, Silver Bay, Combat, and Pelican Made during 1956-1960 In the southwestern North Atlantic

By Harvey R. Bullis, Jr., and John R. Thompson

SPECIAL SCIENTIFIC REPORT–FISHERIES No. 510

UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

UNITED STATES DEPARTMENT OF THE INTERIOR
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United States Fish and Wildlife Service
Special Scientific Report--Fisheries No. 510

Washington, D.C.
August 1965

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Collections by the Exploratory Fishing Vessels Oregon, Silver Bay, Combat, and Pelican made during 1956 to 1960 In the southwestern North Atlantic

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INTRODUCTION

The Bureau of Commercial Fisheries has conducted fishery explorations in the tropical and subtropical waters of the western North Atlantic since 1950. Initially the work was confined to the Gulf of Mexico with a single vessel, the Oregon. In 1956 and 1957, an exploratory shrimp trawling survey was carried out on the Atlantic coast off the Southeastern States with the chartered vessels, Pelican and Combat (Bullis and Rathjen, 1959). In 1957 a medium-sized New England trawler, the Silver Bay, was chartered for 2 years of trawling and dredging work in the Gulf of Mexico (Captiva and Rivers, 1960), permitting part-time use of the Oregon on shrimp trawling surveys in the western Caribbbean and as far south as the mouth of the Amazon River (Bullis and Thompson, 1959). In 1959, the Silver Bay was moved to Brunswick, Ga., to continue shrimp trawling explorations and to begin a fish trawling survey off the southeastern states. In addition to these vessels which have been used almost continuously, the Bureau's fishing gear research vessel George M. Bowers, now stationed at Panama City, Fla., has been used intermittently in exploratory fishing projects in the region.

The underlying aim of the total regional exploratory program is to inventory fishery resources in the western Atlantic south of Cape Hatteras; an integral part of the program is a gross faunal survey. Necessity for this survey was recognized shortly after start of the work in 1950, as the diversity of the species complex became apparent in hundreds of new geographical records and a rapidly expanding list of undescribed species and genera, and as our generally poor knowledge of the faunal magnitude became obvious.

The diversity of faunal collections obviously required studies by many different taxonomic specialists, which by far surpassed the capabilities of the limited staff assigned to the program. The large volume of biological material being assembled also surpassed the capabilities of any single institution to provide all identifications and taxonomic studies needed to meet the needs of the survey. So gradually an extensive program of specimen exchange was developed with any and all interested taxonomists dealing with western Atlantic marine biota. Basic and representative collections were deposited in the U.S. National Museum. General collections of duplicate material also have been transferred to many of the major institutional collections throughout the United States. Over the years, the list of cooperators has reached about one hundred systematic zoologists and botanists from many biological institutions. All told, some 75,000 verified identifications have been received from the distribution of an estimated two million specimens.

A resume of the identifications made on board ship and received from collaborators covering the work of the Oregon during 1950-55 was published in 1956 (Springer and Bullis) as Fish and Wildlife Service Special Scientific Report--Fisheries, No. 196. The basic intent of that paper was to serve as liaison among the scientists working on the collections of fishes, crustaceans, and mollusks, and a small edition of 1,200 copies was printed. The supply was quickly exhausted, and within a few years the report was out of print. Because SSR-F No. 196 contained a wealth of new distributional records, including those for new species that had been described from Oregon collections in diverse journals, it was used extensively as a quick summary reference by most taxonomists and ecologists dealing with the offshore marine fauna of the region. We have since received innumerable requests for a similar presentation of identifications and locality records that were submitted subsequent to the publication of SSR-F No. 196, and for summaries of the determinations that have been made from the collections of the exploratory work conducted since 1955.

From the start of the program in 1950 through 1960 the exploratory fishing vessels completed the following units of field work: R/V Oregon, 72 cruises and 3,174 fishing stations; R/V Silver Bay, 27 cruises and 2,584 fishing stations; R/V Combat, 10 cruises and 530 fishing stations; and R/V Pelican, 3 cruises and 79 fishing stations. The specific cruise objectives varied from general trawl and dredge reconnaissances of unknown and unexplored areas to detailed commercial evaluations of shrimp, snapper, grouper, tuna, scallops, clams, sardine-like schooling fishes, other foodfish species, and industrial or scrap fish.

To accomplish these objectives a wide variety of gear was used, principally commercial type fishing equipment. Commonly used were shrimp trawls (Bullis, 1951), fish trawls (Captiva and Rivers, 1960), midwater trawls (Thompson, 1959; Bullis, 1960), scallop and clam dredges (Bullis and Cummins, 1961; Cummins, Rivers, and Struhsaker, 1962), seines and lampara nets (Butler, 1961), longlines (Bullis, 1955; Captiva, 1955; Wathne, 1959), and handlines. Also, a large volume of material was collected at night-light dip-netting stations and lesser quantities at rotenone stations on isolated reefs in the southern Gulf of Mexico and in the western Caribbean.

The 40-foot shrimp trawl was used as a standard gear for bottom exploration. This trawl was fished with 5-, 6-, and 7-foot doors using a single warp and bridle. Generally a tickler chain was attached. Mesh size in the trawl body was 2-inch stretched, and the codend was 1-3/4-inch stretched mesh of 42-thread cotton. Frequently 1/4-inch stretched mesh was used to line the codend. Underwater observations of the trawl reveal that it spreads to cover an optimum path some 25 feet wide, at speeds of 2 to 3 knots (Bullis and Cummins, 1963). Door sizes and changes in speed alter the opening width within a range of ±20 percent. Looped chain on the footrope and one to three sponge floats on the headrope were used in conformity with industry practices.

Advantages of using the 40-foot shrimp trawl include dependability of performance, ease of construction and repair, and reasonable cost (less than $100 for materials). Early comparisons with industry try-nets (12- to 18-foot stretched spread) and the larger commercial trawls (65- to 120-foot stretched spread openings) indicate that the 40-foot size was minimum for obtaining a representative sample of the species on shrimp grounds and a reliable estimate of their densities. This type of net, however, is obviously selective, and gross faunal evaluations based on shrimp trawl catches alone can be quite misleading. The larger and more active species of fish and the sedentary or partially burrowed invertebrates are usually not caught or are taken only rarely. Therefore, 5- to 8-foot scallop dredges and 55- to 65-foot New England-style fish trawls were also used in general reconnaissance surveys.

The pattern of exploratory fishing stations differs markedly from patterns dependent on the use of preplanned grid stations. In general terms, an exploratory survey of an area is initially undertaken as a series of trawl and dredge drags that cover a preselected depth range. Trawling transects on the Continental Shelf are designed to include one or more drags at every 5-fathom depth interval. Only rarely can this be accomplished owing to frequent trawling interruptions caused by rock and coral bottoms that preclude all types of normal trawling. Preliminary reconnaissance on the Continental Slope involved drags at intervals of 10 to 25 fathoms out to the 300-fathom contour. From 300 to 500 fathoms, trawling stations are made at 50-fathom intervals, and when lower shelf coverage is scheduled, 100-fathom intervals are fished. To date, only a limited amount of trawling has been conducted at depths greater than 1,000 fathoms. The maximum depth we have fished during explorations with a trawl is 2,080 fathoms. As in shallow water transecting, the pattern on the slope is frequently interrupted, chiefly owing to sudden changes in slope configuration. Trawling on slope angles greater than 45° has been uniformly unproductive of large biological samples.

In addition to depth coverage, every effort is made to sample all trawlable bottom types within each depth stratum. Good samples can be obtained on mud, sand, and shell and gravel. On sponge and alcyonarian bottom the trawl generally becomes overloaded, making analysis of samples obtained from these bottoms difficult. Bottom temperature transects are made in an effort to trawl through the various temperature strata. Finally, exploratory coverage of the bottom is designed also to examine the distribution and density of bottom organisms in relation to temperature.

When plotted on a cruise chart, the patterns emerging from the explorations may tend to indicate a rather haphazard fishing station plan. Indications are, however, that the organisms of interest in the studies tend to orient themselves to bottom type, water temperature, and depth much more closely than to any arbitrary grid system that can be laid out neatly on a chart.

A major goal of this program is a 4-season coverage of all Continental Shelf and Slope areas from Cape Hatteras to eastern Brazil. We believe that the resulting data should show distributional patterns of bottom fauna. To facilitate this study, the total backlog of species distributional data has been transferred to automatic data processing cards, and preliminary faunal summaries are now being prepared.

The species list is not complete, for questionable identifications have not been included. All station records of field identifications have been carefully reviewed, and only those considered highly reliable are included. Also, certain species have been fished extensively in restricted localities, and a complete listing of a number of these, such as the royal-red shrimp (Hymenopenaeus robustus) and the calico scallop (Aequipecten gibbus), would require useless repetition. A number of excessive repetitive records have been omitted. An effort has been made to present all horizontal, vertical, and seasonal distribution records of identified animals.

In this report, as was the case with SSR-F No. 196, many field identifications are combined with identifications received from cooperators and colleagues. In the earlier report many taxonomic discrepancies were apparent because the authors attempted to draw a compromise from differing opinions. In the present report, we hope that valuable counsel from many specialists has enabled us to eliminate many of these errors. This counsel, however, has not removed certain problems that require taxonomic compromise. We, therefore, accept complete responsibility for what may seem to be occasional, unwarranted departures from names that have been generously contributed by our many colleagues.

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LIST OF CRUSTACEANS

BOPYRIDAE

Bopyrina sp.

Oregon Station 1711

CIROLANIDAE

Bathynomus giganteus A. Milne-Edwards

Oregon Station 1445 1451 1452 1538 1540 1541 1542 1547 1550 1564 1567 1577 1883 1906 1911 1917 1918 1919 1920 1921 1922 1923 1924 1926 1927 1928 1929 1930 1931 1932 1933 1942 1943 1944 1945 1946 1947 1948 1949 1951 1953 1954 2008 2009 2025 2082

Silver Bay Station 1182

Combat Station 444 450

Cirolana sp.

Silver Bay Station 60

EXOCORALLANIDAE

Exocorallana sp.

Silver Bay Station 71

IANIRIDAE

Ianira sp.

Oregon Station 2091

Combat Station 370

MYSIDAE

Mysidium integrum Tattersall

Silver Bay Station 71

Mysidopsis bigelowi Tattersall ?

Silver Bay Station 67

STENETRIIDAE

Stenetrium sp.

Silver Bay Station 60

ARCTURIDAE

Astacilla sp.

Oregon Station 2091

CYMOTHOIDAE

Lironeca sp.

Oregon Station 2076

SPHAEROMIDAE

Exosphaeroma antillense ?Richardson

Oregon Station 2091

ACANTHONOTOZOMATIDAE

Iphimedia sp.

Oregon Station 2091

AMPITHOIDAE

Ampithoe ramondi (Audouin)

Oregon Station 2091

AMPHILOCHIDAE

Gitanopsis sp.

Oregon Station 2091

COROPHIIDAE

Erictonius brasiliensis (Dana)?

Oregon Station 2091

METOPIDAE

Metopella sp.

Oregon Station 2091

PHYRONIMIDAE

Phronima sedentaria (Forskål)

Oregon Station 1370

PHROSINIDAE

Phrosina semilunata Risso

Oregon Station 1370

PLATYSCELIDAE

Hemityphis rapax (A. Milne-Edwards)

Oregon Station 1372

Platyscelus ovoides Claus

Oregon Station 1370

PODOCERIDAE

Dulichia sp.

Oregon Station 2091

PRONOIDAE

Parapronoe crustulum Claus

Oregon Station 1370

Sympronoe parva (Claus)

Oregon Station 1372

STENOTHOIDAE

Stenothoe sp.

Oregon Station 1875

Stenothoe gallensis Walker

Oregon Station 2091

PENAEIDAE

Aristaeus antillensis Bouvier

Oregon Station 1427 1565

Combat Station 171 446

Aristaeomorpha foliacea (Risso)

Oregon Station 1406 1506 1567

Silver Bay Station 442 2421

Combat Station 444 446 447
449 450

Benthesicymus bartletti Smith

Oregon Station 3218

Hymenopenaeus debilis Smith

Combat Station 452

Hymenopenaeus modestus Smith

Combat Station 171 177 226
237 442 446
453

Hymenopenaeus robustus Smith

Oregon Station 1441 1442 1443
1444 1445 1446
1447 1448 1449
1450 1451 1452
1453 1454 1455
1456 1458 1460
1461 1462 1463
1464 1465 1466
1467 1502 1505
1506 1507 1508
1509 1516 1517
1518 1519 1521
1524 1525 1526
1527 1528 1529
1530 1538 1539
1540 1541 1542
1543 1544 1545
1546 1547 1548
1549 1550 1551
1556 1557 1561
1562 1563 1564
1565 1566 1567
1568 1569 1570
1571 1572 1573
1574 1575 1576
1577 1578 1579
1580 1581 1871
1872 1885 1886
1887 1908 1910
1914 1915 1917
1918 1919 1920
1921 1922 1923
1924 1925 1926
1927 1928 1929
1930 1931 1932
1933 1942 1943
1944 1945 1946
1947 1948 1949
1950 1951 1952
1953 1954 1962
1963 1964 1965
1966 1967 1968
1969 1970 1971
1972 1981 1984
1991 2669 2671
2672 2673 2674
2772 2774 2775
2776 2777 2779
2780 2782 2825
3169 3171

Silver Bay Station 211 212 213
214 216 217
218 219 220
221 223 224
225 227 228
229 230 231
232 234 235
236 237 249
250 317 318
449 450 454
457 463 467
468 469 470
486 1177 1178
1179 1180 1181
1185 1189 1190
1191 1192 1193
1194 1198 1199
1203 1551 1552
1604 1605 1606
1607 1608 1609
1610 1611 1612
1616 1617 1618
1619 2040 2062

PENAEIDAE (contd.)

2063 2064 2065
2066 2067 2068
2069 2070 2073
2074 2075 2076
2421 2458

Combat Station 1 2 3
4 7 8
9 11 12
13 14 16
17 18 19
22 23 24
25 26 27
28 29 30
31 32 33
34 35 36
38 39 40
41 83 84
85 86 87
103 104 106
140 171 185
186 187 190
191 192 193
194 195 196
197 198 205
206 207 208
209 210 211
212 213 214
215 225 226
228 256 269
271 279 300
315 317 318
332 361 362
410 413 414
420 421 430
431 436 438
439 441 444
453 459 460
471 493 494

Pelican Station 9 10 11
13 17 18
20 25 26
27 28 34
38 48 49
51 53 54
56 57 65
66 70 71
76 77 79

Hymenopenaeus tropicalis (Bouvier)

Combat Station 101 396 451

Parapenaeus americanus Rathbun

Oregon Station 1320 1345 1881

Combat Station 237 238 446
447 448

Parapenaeus longirostris (Lucas)

Oregon Station 273 1421 1514
1877 1881 2203

Combat Station 445 451

Penaeopsis goodei Smith

Oregon Station 2249

Silver Bay Station 53 54

Combat Station 119 167 428
497

George M. Bowers Station 37

Penaeopsis megalops (Smith)

Oregon Station 1463 1464 1502
1504 1509 1516
1517 1524 1526
1527 1537 1542
1543 1547 1548
1562 1563 1564
1567 1568 1569
1570 1573 1577
1578 1871 1887
1910 1911 1914
1923 1925 1926
1929 1931 1942
1943 1949 1952
1961 1962 1963
1964 1965 1968
1969 1970 1971
1972 1981 2004
2007 2008 2009
2669 2670 2671
2672 2673 2674
2774 2775 2776

PENAEIDAE (contd.)

2777 2780 2781
2782 3171 3173

Silver Bay Station
211 216 227
232 317 442
470 1192 1193
1198 2449 2458

Combat Station
1 18 174
178 179 186
188 279 300
308 310 358
359 410 419
420 422 433
436 438 439
441 446 448
467 470 474
475 476 484

Pelican Station
9 10 11
20 25 26
27 72 74

Penaeopsis (metapenaeopsis) smithi Schmitt

Oregon Station
1848

Penaeus aztecus Ives

Oregon Station
1494 1495 1496
1497 1498 1499
1500 1531 1532
1533 1534 1535
1536 1627 1630
1631 1651 1652
1660 1661 1671
1745 1749 1754
1759 1760 1761
1762 1763 1766
1767 1770 1771
1775 1776 1777
1781 1786 2111
2462 2463 2476
2492 2504 2514
2517 2518 2524
2527 2532 2533
2552 2553 2554
2691 2694 2698
2699 2700 2701
2702 2704 2705
2706 2707 2708
2709 2740 2742
2748 2852 2854
2855 2856 2859
2860 2861 2862
2866 2867 2869
2872 2873 2874
2875 2876 2877
2878 2879 2880
2881 2883 2884
2885 2886 2889
2895 2896 2897
2898 2899 2902
2903 2905 2907
2908 2909 2910
2912 2914 2915
2928 2930 2935
2937 2939 2940
2960 2976 2977
2979 2984 2985
2986 2987 2988
2989 2990 2996
2998 2999 3000
3002 3003 3007
3008 3009 3010
3011 3013 3014
3015 3017 3018
3019 3020 3021
3022 3033 3041
3042 3043 3044
3046 3053 3066
3078 3095 3109
3114 3124 3149
3174

Silver Bay Station
3 5 6
8 12 59
88 158 163
165 166 167
168 169 170
178 180 181
182 184 187
190 194 203
207 239 241
242 243 244
245 258 260
262 263 265
267 274 281
300 312 679
680 681 682
799 800 803
816 1120 1121
1212 1213 1226

PENAEIDAE (contd.)

1227 1262 1268
1284 1285 1286
1287 1288 1289
1290 1313 1351
1529 2165 2393
2400 2402 2407
2408 2409 2498

Combat Station
94

Pelican Station
3

Penaeus brasiliensis Latreille

Oregon Station
2249

Combat Station
397

Penaeus duorarum Burkenroad

Oregon Station
1554 1600 1627
1673 1674 1676
1685 1688 2397
2445 2448 2472
2499 2903 2915
3007 3033

Silver Bay Station
59 60 66
67 73 84
88 118 132
134 139 145
146 149 152
153 163 365
401 498 504
509 543 567
576 577 579
580 583 587
595 609 620
624 638 647
672 676 718
847 848 849
864 914 940
1286 1287 1288
1290 1299 1313
1345 1351 1410
1485 1486 1487
1528 1553 2165
2213 2214 2223
2224 2225 2226
2242 2288 2354
2357 2358 2376
2377 2378 2388
2393 2400 2404
2405 2407 2410
2411 2412 2413
2438 2439 2440
2441 2464 2494
2499 2502

Combat Station
333 334 335
344 345 377

Pelican Station
3 8 32

Penaeus setiferus Linnaeus

Oregon Station
1485 1751 1784
2093 2123 2125
2193 2375 2461
2469 2495 2496
2499 2501 2502
2503 2504 2561
2562 2563 2867
2869 2878 2879
2880 2884 2902
2905 2914 2915
2969 2971 2972
2973 2974 2975
2976 2991 2993
2994 2995 3004
3006 3017 3095
3149

Silver Bay Station
165 166 167
168 170 240
241 242 243
244 245 246
365 1286 1287
1357 1726

Pelican Station
1 2 3

Plesiopenaeus edwardsianus (Johnson)

Oregon Station
1871 1872 1907
1915 1916 1917
1919 1922 1927
1928 1929 1930
1931 1932 1933
1944 1945 1946
1947 1948 1952
1953 1954 2010
2011

PENAEIDAE (contd.)	Silver Bay Station	452	1181	1182
		1194	1195	1196
		2421		
	Sicyonia sp.			
	Oregon Station	2249		
	Sicyonia brevirostris Stimpson			
	Oregon Station	1497	1553	1631
		1651	1734	1755
		2859	2862	2872
		2960	2961	2979
		3027	3039	3046
		3066	3124	3174
	Silver Bay Station	88	189	258
		281	573	577
		579	580	595
		636	638	641
		647	651	654
		660	664	667
		668	712	718
		915	916	940
		1208	1211	1212
		1213	1219	1220
		1227	1235	1238
		1248	1268	1289
		1294	1299	1313
		1345	1393	1484
		1485	1528	1537
		1654	1742	1947
		1948	2388	2389
		2407	2436	2494
		2504	2511	2522
		2524	2525	
	Combat Station	64	65	73
		119	158	333
		334	335	337
		338	341	347
		348	374	377
		379	393	394
		395	396	397
		400	406	407
		424	428	455
		496	497	498
		505	507	514
		530		
	Pelican Station	7	8	32
		33		
	George M. Bowers Station	37		
	Sicyonia stimpsoni Bouvier			
	Oregon Station	2249		
	Silver Bay Station	2382	2388	2389
	Sicyonia typica (Boeck)			
	Oregon Station	2249		
	Solenocera atlantidis Burkenroad			
	Oregon Station	1553	2249	
	Combat Station	119	167	396
		397		
	Solenocera necopina Burkenroad			
	Oregon Station	273		
	Combat Station	177	445	446
		475	491	493
	Solenocera vioscae Burkenroad			
	Oregon Station	1421	1495	1558
		2203		
	Combat Station	445		
	Trachypeneus (trachysalambria) constrictus (Stimpson)			
	Oregon Station	2127	2249	
	Silver Bay Station	1518	1528	2578
	Combat Station	202		
	George M. Bowers Station	37		
SERGESTIDAE	Lucifer faxoni Borradaile			
	Combat Station	396		
SERGESTIDAE (contd.)	Lucifer typus Edwards			
	Oregon Station	1336		
PASIPHAEIDAE	Leptochela bermudensis Gurney ?			
	Oregon Station	1848		
	Leptochela sp. nov.			
	Silver Bay	at anchorage, Cay Arcas		
	Pasiphaea merriami Schmitt			
	Oregon Station	1942	2007	
	Combat Station	444		
	Pasiphaea sp.			
	Oregon Station	2009		
OPLOPHORIDAE	Acanthephyra acutifrons Bate			
	Oregon Station	2199		
	Acanthephyra armata A. Milne-Edwards			
	Oregon Station	1911	1955	2011
		2399	2637	2640
		3218		
	Acanthephyra eximia Smith			
	Oregon Station	2577		
	Ephyrina hoskynii Wood-Mason			
	Oregon Station	2200		
	Oplophorus gracilirostris A. Milne-Edwards			
	Oregon Station	1302	1949	1953
		2007	2009	2011
		2191	2200	2201
		2353	2396	
	Oplophorus spinicauda A. Milne-Edwards			
	Oregon Station	2191		
	Systellaspis affinis (Faxon)			
	Oregon Station	1406	1407	1427
		1506	1565	1568
		1903	1916	1942
		1951	1952	1965
		1982	2201	2396
		2773	2825	
	Combat Station	449		
	Systellaspis debilis (A. Milne-Edwards)			
	Oregon Station	2191	2199	2201
NEMATOCARCINIDAE	Nematocarcinus cursor A. Milne-Edwards			
	Oregon Station	1563	1890	1902
		1908	1909	1911
		1915	1923	1925
		2011	2202	2209
		2637	2813	2819
		2824	3218	
	Silver Bay Station	2421	2460	2484
	Pelican Station	13		
EUGONATONOTIDAE	Eugonatonotus crassus (A. Milne-Edwards)			
	Oregon Station	1542	1543	1539
		1543	1556	1872
		1886	2286	
	Silver Bay Station	2416	2418	2458
		2460	2469	2479
		2482	2483	
	Combat Station	263	445	450
PALAEMONIDAE	Brachycarpus biunguiculatus (Lucas)			
	Oregon Station	1848		
	Neopontonides sp.			
	Oregon Station	1535		
	Palaemonetes (Palaemonetes) pugio Holthuis			

Bureau of Commercial Dock
Pascagoula River, Pascagoul

PALAEMONIDAE (contd.)

Palaemon (Nematopalaemon) schmitti Holthuis

Oregon Station 2056

Periclimenes sp. ?

Combat Station 72

Periclimenes (Harpilius) americanus (Kingsley) ?

Combat Station 72

Periclimenes (Periclimenes) iridescens Lebour

Silver Bay Station 71

Pontonia margarita Smith

Oregon Station 1711

Typton prionurus Holthuis ?

Oregon Station 2078 2079

PSALIDOPODIDAE

Psalidopus barbouri Chace

Oregon Station 1909 1911 1919 1920 1921 1929 1931 1933 1949 1952 2011 2637

Silver Bay Station 2421

ALPHEIDAE

Alpheus formosus Gibbes

George M. Bowers Station 37

Synalpheus apioceros Coutière ?

Oregon Station 2078 2079

Synalpheus minus (Say)

Silver Bay Station 53 54 71

Synalpheus townsendi Coutière

Oregon Station 1674 1719

Silver Bay Station 42 44

Combat Station 455

PROCESSIDAE

Processa sp.

Oregon Station 2249

[illegible]

Heterocarpus ensifer A. Milne-Edwards

Oregon Station 546 1323 1537 1539 1543 1556 1870 1872 1885 1918 1923 1928 2005 2007 2080 2081 2082 2606

Silver Bay Station 2458 2460 2469 2475 2479 2483

Combat Station 112 186 446 449 450

Heterocarpus laevis A Milne-Edwards

Oregon Station 2637

Parapandalus longicauda Rathbun

Silver Bay Station 2460 2466

Plesionika acanthonotus (Smith)

Oregon Station 1932 2081

Pelican Station 11 18 31

Plesionika edwardsii (Brandt) ?

Combat Station 237 238

Plesionika ensis (A. Milne-Edwards)

Oregon Station 2399

Silver Bay Station 2420

Combat Station 11

Plesionika longipes (A. Milne-Edwards)

Oregon Station 1324 1537 1538 1539 1540 1541 1542 1543 1545 1546 1548 1549 1550 1556 1869

PANDALIDAE (contd.)

1671 1872 1879 1883 1885 1920 1924 1962 2351 2606 2772

Silver Bay Station 1190 1191 1198

Combat Station 176 177 178 271 274 275 360

Plesionika macropoda Chace

Oregon Station 2772

Plesionika martia (A. Milne-Edwards)

Oregon Station 2824

Silver Bay Station 2483

Combat Station 360

GLYPHOCRANGONIDAE

Glyphocrangon longirostris (Smith)

Oregon Station 1302 1908 2010

Glyphocrangon aculeata A. Milne-Edwards

Oregon Station 534

Glyphocrangon alispina Chace

Oregon Station 1909 1911 3218

Glyphocrangon (Glyphocrangon) longleyi Schmitt

Oregon Station 1334 1537 1539 1540

Combat Station 32 84 186 193 329 441 444 449

Pelican Station 1718

Glyphocrangon neglecta Faxon

Oregon Station 1885 2353

Glyphocrangon (Glypbocrangon) spinicauda (Smith)

Oregon Station 1324 1885 1908 1915 1916 1919 1923

Combat Station 120 445 447 450

Pelican Station 54

CRANGONIDAE

Pontocaris (Aegeon) caribbaeus (Boone)

Oregon Station 1344 1871 1872 1881 1923 1942 1949

Combat Station 235

HIPPOLYTIDAE

Hippolysmata (Hippolysmata) sp.

Silver Bay Station 54

Combat Station 90

Thor floridanus Kingsley

Silver Bay Station 71

Combat Station 72

Tozeuma carolinense Kingsley

Combat Station 72

ERYONIDAE

Polycheles sp.

Oregon Station 1924 2652

Combat Station 362

Polycheles typhlops Heller

Oregon Station 1506

Silver Bay Station 2449

Combat Station 245 329 469 447

Pelican Station 53

[illegible]

Nephrops sp. ?

Combat Station 140

Nephropsis aculeata Smith

Oregon Station 1506 1550 2006

NEPHROPSIDAE (contd.)

Combat Station 226 329 469 486

Pelican Station 53

Nephrops rubellus binghami Boone

Combat Station 447

HOMARIDAE

Phoberus caecus A. Milne-Edwards

Oregon Station 1947 1948 1952

PALINURIDAE

Panulirus laevicauda (Latreille)

Oregon Station 2230

SCYLLARIDAE

Scyllarides sp.

Oregon Station 2230

Scyllarides nodifer (Stimpson)

Silver Bay Station 44 88 91

Scyllarus sp.

Silver Bay Station 59 60 68 71

Scyllarus americanus (Smith)

Oregon Station 1666 2088 2249 2335

Silver Bay Station 54 88

Combat Station 119 169 202

George M. Bowers Station 37

Scyllarus arctus (Linnaeus)

Combat Station 90 370 457

Scyllarus faxoni Bouvier

Oregon Station 1345

Combat Station 235 237 238 446

AXIIDAE

Calocaris (Calastacus) sp.

Combat Station 445

ALBUNEIDAE

Albunea gibbesii Stimpson

Combat Station 396

Albunea oxyopthalma Leach

Oregon Station 2092

CHIROSTYLIDAE

Eumunida picta Smith

Oregon Station 2004

Combat Station 410

Uroptychus uncifer (A. Milne-Edwards)

Oregon Station 2081

GALATHEIDAE

Galathea rostrata A.Milne-Edwards

Combat Station 72

Munida angulata Benedict

Combat Station 72

Munida evermanni Benedict

Combat Station 447

Munida forceps A.Milne-Edwards

Combat Station 441 453 458

Munida iris A. Milne-Edwards

Oregon Station 1543 2082

Combat Station 177 259

Pelican Station 58

Munida irrasa A. Milne-Edwards

Combat Station 445

GALATHEIDAE (contd.)

Munida longipes A. Milne-Edwards

Combat Station 177 226

Munida munida robusta A. Milne-Edwards

Oregon Station 2080

Munida schroederi Chace

Combat Station 235 445

Munida simplex Benedict

Combat Station 72

Munida stimpsoni A. Milne-Edwards

Combat Station 237 445 446

Munida valida Smith

Combat Station 171 172 245 332

Munida sp.

Oregon Station 2080

Munidopsis robusta (A. Milne-Edwards)

Combat Station 122

Pelican Station 53

PAGURIDAE

Pagurus sp.

Oregon Station 2203

Combat Station 235

Pagurus impressus (Benedict)

Silver Bay Station 577 585 586 672 673 674

Pagurus politus (Smith)

Oregon Station 1543

Dardanus venosus (A. Milne-Edwards)

Oregon Station 2249 2633

Isocheles wurdemanni Stimpson

Silver Bay Station 557 558

Mixtopagurus paradoxus (A. Milne-Edwards)

Oregon Station 2066

Paguristes depressus Stimpson

Oregon Station 2613

Paguristes hummi Wass

Silver Bay Station 557 558 672 673 674

Paguristes rectifrons Benedict

Silver Bay Station 557 558 585 586

Paguristes spinipes A. Milne-Edwards

Combat Station 237

Paguristes tortugae Schmitt

Silver Bay Station 59

Parapagurus sp. nov. ?

Silver Bay Station 451

Parapagurus pilosimanus Smith

Oregon Station 1424

Petrochirus bahamensis (Herbst)

Oregon Station 2262

Silver Bay Station 557 558 577 585 586 672 673 674

Pylopagurus bartletti (A. Milne-Edwards)

Oregon Station 2080

PAGURIDA (contd.)	Pylopagurus corallinus (Benedict)				
	Combat Station	90			
	Pylopagurus discoidalis (A. Milne-Edwards)				
	Oregon Station	2066	2080		
	Pylopagurus gibbosimanus (A. Milne-Edwards)				
	Oregon Station	2066			
	Sympagurus arcuatus A. Milne-Edwards and Bouvier				
	Oregon Station	2571			
	Sympagurus pictus Smith				
	Oregon Station	1564			
	Combat Station	120			
	Sympagurus pilimanus A. Milne-Edwards				
	Oregon Station	2639			
	Xylopagurus rectus A. Milne-Edwards				
	Oregon Station	1986	2649		
PORCELLANIDAE	Minyocerus sp.				
	Combat Station	427			
	Pachycheles sp.				
	Combat Station	457			
	Pachycheles acklejanus A. Milne-Edwards				
	Silver Bay Station	54			
	George M. Bowers Station	37			
	Pachycheles rugimanus A. Milne-Edwards				
	Silver Bay Station	42			
	Combat Station	90			
	Petrolisthes armatus (Gibbes)				
	Silver Bay Station	59	60	67	
	Petrolisthes galathinus (Bosc)				
	Silver Bay Station	59	71		
	Porcellana sayana (Leach)				
	Oregon Station	1674	2249	2262	2339
	Silver Bay Station	59	60	71	
	Porcellana sigsbeiana A. Milne-Edwards				
	Oregon Station	2203			
	Porcellanopsis scriata (Say)				
	Silver Bay Station	71			
RANINIDAE	Raninoides laevis (Latreille)				
	Oregon Station	1719			
	Raninoides louisianensis Rathbun				
	Oregon Station	1495	1496	1674	2203
	Silver Bay Station	1178	1179		
	Ranilia muricata A. Milne-Edwards				
	Oregon Station	1714			
	Combat Station	391			
	Lyreidus bairdii Smith				
	Oregon Station	1571			
	Combat Station	226			
	Pelican Station	61			
DROMIIDA	Dromidia antillensis Stimpson				
	Oregon Station	1553	1719	1873	2249 2339
	Silver Bay Station	54	59	[illegible]	69 71
	Combat Station	72	455		
	Rypoconcha sabulosa (Herbst)				
	Silver Bay Station	68			
	Rypoconcha spinosissima Rathbun				
	Oregon Station	1666	1674		
	Combat Station	457			
	Rypoconcha arcuata Stimpson				
	Oregon Station	2272			
THELXIOPEIDAE	Thelxiope barbata (Fabricius)				
	Combat Station	90	405	455	457
DORIPPIDAE	Ethusa microphthalma Smith				
	Oregon Station	2203			
LEUCOSIDAE	Ebalia cariosa (Stimpson)				
	Oregon Station	2272			
	Lithadia cadaverosa Stimpson				
	Silver Bay Station	59			
	Persephona punctata punctata (Linnaeus)				
	Oregon Station	2272	2339		
	Persephona punctata aquilonaris Rathbun				
	Oregon Station	1719	1755		
	Silver Bay Station	59	60	71	
	Combat Station	408			
	Myropsis quinquespinosa Stimpson				
	Oregon Station	1336	2203		
	Combat Station	235	445	446	
	Iliacantha subglobosa Stimpson				
	Combat Station	237			
	Iliacantha liodactylus Rathbun				
	Oregon Station	2249	2272		
	Iliacantha intermedia Miers				
	Oregon Station	1719	2249		
	Silver Bay Station	54	71		
	Combat Station	119			
	Iliacantha sparsa Stimpson				
	Silver Bay Station	53			
	Callidactylus asper Stimpson				
	Silver Bay Station	42	53	54	
CALAPPIDAE	Calappa flammea (Herbst)				
	Oregon Station	1494	1495	1497	1499 1500 1554 1674 1675 1679 1682 1683 1684 1685 1687 1690 1698 1699 1701 1703 1704 1706 1710 1714 1715 1716 1726 1728 1737 1738 1741 1743 1745 1746 1755 1756 1757 1763 1773 1782 2395
	Silver Bay Station	27	37	39	48 59 80
	Combat Station	202	457		
	Pelican Station	14			
	Calappa springeri Rathbun				
	Oregon Station	1785			
	Calappa angusta A. Milne-Edwards				
	Silver Bay Station	45	100		
	Combat Station	72	90	402	405 457
	Calappa sulcata Rathbun				
	Oregon Station	2272	2309	2338	
	Silver Bay Station	184			
	Calappa nitida Holthuis				
	Oregon Station	2249	2262	[illegible]	2309 2335 2339

CALAPPIDAE (contd.)

Calappa spp.

Oregon Station 2249 2262 2272 2309 2335 2338 2339

Acanthocarpus alexandri Stimpson

Oregon Station 2203

Silver Bay Station 100

Combat Station 180 402 452

Acanthocarpus bispinosus A. Milne-Edwards

Oregon Station 1320

Cycloes bairdii Stimpson

Combat Station 455

Hepatus princeps (Herbst)

Oregon Station 2272 2339

Hepatus epheliticus (Johansson)

Oregon Station 1674 1679 1682 1746 1749 1750 1751 1754 1755 1757 1775 1778 2862 3149

Silver Bay Station 59

Combat Station 334

Hepatus sp.

Oregon Station 2249

Osachila semilevis Rathbun

Combat Station 455

Paracyclois sp.

Combat Station 238 455

GONEPLACIDAE

Bathyplax typhla A. Milne-Edwards

Oregon Station 1334

Geryon quinquedens Smith

Oregon Station 1426

Goneplax hirsuta Borradaile

Silver Bay Station 100

Panoplax depressa Stimpson

Combat Station 72

Euryplax nitida Stimpson

Silver Bay Station 71

Glyptoplax smithii A. Milne-Edwards

Silver Bay Station 42

PORTUNIDAE

Ovalipes ocellatus quadulpenis (Saussure)

Oregon Station 1730 1824

Silver Bay Station 24

Combat Station 171 334 428 514

Bathynectes superba (Costa)

Oregon Station 1543

Combat Station 138 259

Portunus (portunus) gibbesii (Stimpson)

Oregon Station 2272 2339

Silver Bay Station 59

Combat Station 119 171 202 379 396 397 513

Portunus (portunus) sp.

Oregon Station 2272

PORTUNIDAE (contd.)

Portunus (achelous) spinimanus Latreille

Oregon Station 1495 1554 1672 1755 2249 2261 2262 2335 2338

Silver Bay Station 60 71

Combat Station 202 505

Pelican Station 68

Portunus (achelous) ordwayi (Stimpson)

Oregon Station 1553

Silver Bay Station 54

Combat Station 119

Portunus (achelous) floridanus Rathbun

Combat Station 391 406 457

Portunus (achelous) depressifrons (Stimpson)

Oregon Station 1600

Portunus (achelous) spinicarpus (Stimpson)

Oregon Station 1345 1553 1600 1607 2249 2262 2335

Silver Bay Station 53 54

Combat Station 238 396 397 402 406 445 446 447 455 457

Portunus (achelous) sp.

Oregon Station 2262

Callinectes sapidus

Oregon Station 2154

Silver Bay Station 1242 1284 1289 1290 1313

Callinectes ornatus Ordway

Oregon Station 1824 2339

Callinectes danae Smith

Oregon Station 1739 1746 1749 1755 1757 1775 1777 2128

Silver Bay Station 187 334

ATELECYCLIDAE

Trachycarcinus spinulifer Rathbun

Oregon Station 1573

CANCRIDAE

Cancer irroratus Say

Combat Station 172 245 329 486 489 491

Cancer borealis Stimpson

Oregon Station 1543

Combat Station 171 172 179 186 309 362 410

XANTHIDAE

Actaea rufopunctata nodosa Stimpson

Oregon Station 2068

Glyptoxanthus erosus (Stimpson)

Combat Station 203

Carpoporus papulosus Stimpson

Combat Station 72

Medaeus spinimanus (A. Milne-Edwards)

Oregon Station 2249

Leptodius agassizii A. Milne-Edwards

Silver Bay Station 42 44

Lophopanopeus distinctus Rathbun

Combat Station 72 90

XANTHIDAE (contd.)

Panopeus occidentalis Saussure

Silver Bay Station 59 71

Hexapanopeus angustifrons (Benedict and Rathbun)

Silver Bay Station 59 60

Micropanope sculptipes Stimpson

Combat Station 72 455

Micropanope levimanus Chace

Silver Bay Station 42 54

Tetraxanthus rathbunae Chace

Silver Bay Station 100

Combat Station 446

Menippe mercenaria (Say)

Oregon Station 2875

Silver Bay Station 59 60 68
564 574 583
585 597 644
659 660 664
668 669 672
891 915

Pelican Station 8

Pilumnus dasypodus Kingsley

Oregon Station 1719

Silver Bay Station 59 60 71

Pilumnus floridanus Stimpson

Silver Bay Station 42 53 59

Pilumnus pannosus Rathbun

Silver Bay Station 71

Pilumnus sayi Rathbun

Oregon Station 1719

Silver Bay Station 42 53 59
60 71

Pilumnus sp. ?

Combat Station 167

Lobopilumnus agassizii (Stimpson)

Silver Bay Station 42 54 71

PINNOTHERIDAE Parapinnixa hendersoni Rathbun ?

Combat Station 391

CYMOPOLIDAE Cymopolia alternata (Rathbun)

Silver Bay Station 53 54

Cymopolia faxoni Rathbun

Combat Station 72

Cymopolia affinis (A. Milne-Edwards and Bouvier)

Combat Station 72 455

Palicus (Cymopolia) affinis A. Milne-Edwards

Oregon Station 2249

GRAPSIDAE Euchirograpsus americanus A. Milne-Edwards

Oregon Station 1873

Silver Bay Station 206

Combat Station 90 391

GECARCINIDAE Cardisoma guanhumi Latreille

Tucker Valley Road, U.S. Naval Base, Port of Spain, Trinidad
September 21, 1958
Harvey Bullis

MAJIDAE Stenorynchus seticornis (Herbst)

Oregon Station 1419 1938 2079
2088 2249

Silver Bay Station 45 53 54
69 71 100

MAJIDAE (contd.)

Combat Station 72 406 455
457

Podochela sidneyi Rathbun

Oregon Station 1719

Podochela gracilipes Stimpson

Combat Station 72

Podochela curvirostris (A. Milne-Edwards)

Combat Station 235

Anasimus latus Rathbun

Oregon Station 2249 2262 2335

Silver Bay Station 182

Combat Station 405

Pyromaia cuspidata Stimpson

Oregon Station 1345

Combat Station 235 445 447

Rochinia crassa (A. Milne-Edwards)

Combat Station 172 309 362

Rochinia hystrix (Stimpson)

Oregon Station 1550

Combat Station 447

Rochinia umbonata (Stimpson)

Oregon Station 1926

Trachymaia cornuta A. Milne-Edwards

Combat Station 238

Nibilia antilocapra (Stimpson)

Combat Station 90 370 457

Holoplites armata (A. Milne-Edwards)

Oregon Station 2080

Libinia emarginata Leach

Combat Station 90

Hemus cristulipes A. Milne-Edwards

Silver Bay Station 54

Pitho anisodon (Von Martens)

Silver Bay Station 71

Mithrax (mithrax) cornutus Saussure

Combat Station 90

Mithrax (mithrax) caribbaeus Rathbun

Oregon Station 2249 2262 2335
2339

Mithrax (mithrax) pleuracanthus Stimpson

Oregon Station 1719

Silver Bay Station 53 54 69
71

Mithrax (mithraculus) forceps (A. Milne-Edwards)

Oregon Station 1719

Silver Bay Station 71

Stenocionops furcata coelata (A. Milne-Edwards)

Silver Bay Station 45 206

Combat Station 72 455 457

Stenocionops spinosissima (Saussure)

Combat Station 447

Stenocionops spinimana (Rathbun)

Oregon Station 2203

Combat Station 108

MAJIDAE (contd.)

Macrocoeloma trispinosum (Latreille)

Oregon Station 1719

Silver Bay Station 60

Macrocoeloma trispinosum nodipes (Destonne)

Silver Bay Station 54 69

Macrocoeloma camptocerum (Stimpson)

Silver Bay Station 60

Macrocoeloma subparallelum (Stimpson)?

Oregon Station 2249

Microphrys antillensis Rathbun

Silver Bay Station 71

PARTHENOPIDAE

Parthenope (parthenope) agonus (Stimpson)

Oregon Station 2272

Combat Station 428 455

Parthenope (platylambrus) pourtalesii (Stimpson)

Combat Station 370 402 457

Parthenope (platylambrus) fraterculus (Stimpson)

Oregon Station 2066 2249

Combat Station 72 455 457

Parthenope (platylambrus) punctata Chace

Silver Bay Station 59

Parthenope (platylambrus) serrata (H. Milne-Edwards)

Oregon Station 2249 2272

Silver Bay Station 54 71

Combat Station 397

Mesorhoea sexspinosa Stimpson

Oregon Station 2272

Heterocrypta granulata (Gibbes)

Silver Bay Station 59

SQUILLIDAE

Bathysquilla microps (Manning)

Silver Bay Station 445 1196 3516

Gonodactylus curacaoensis Schmitt

Oregon Station 3620

Gonodactylus oerstedii Hansen

Oregon Station 275 1215 1719
1938 2355 3555
3603 3604 3605
3638 4227 4231

Silver Bay Station 53 54 69
71 581 1695
1704 1992 2142
2361 2366

Combat Station 203

Lysioerichthus larvae

Oregon Station 1848 1941

Lysiosquilla campechiensis Manning

Oregon Station 411

Lysiosquilla glabriuscula (Lamarck)

Silver Bay Station 2366 3655

Lysiosquilla scabricauda (Lamarck)

Off Chandeleus Island (shrimpboat)

Odontodactylus havanensis Bigelow

Oregon Station 1850

Parasquilla coccinea Manning

Oregon Station 83 944

Silver Bay Station 100 2390

Parasquilla meridionalis Manning

Oregon Station 2052 2249 2257

SQUILLIDAE (contd.)

Pseudosquilla ciliata (Fabricius)

Oregon Station 3537 3555 3603
4227 4229 4231

Squilla alba Bigelow

Orcas Reef, Gulf of Campeche

Squilla chydaea Manning

Oregon Station 88 90 101
103 107 156
159 162 332
340 342 352
662 843 845
944 1060 1086
1755 1531 2203
2827 2862 3968

Silver Bay Station 181 182 2732

Squilla discora Manning

Oregon Station 36 920 944

Silver Bay Station 2460 2480

Combat Station 334

Squilla edentata (Lunz)

Oregon Station 27 60 103
158 273 326
332 945 1382
1883 1983 1985
2021 2203 2285
2286 2288 2295
2351 2782 2799
2827 3585 3595
3627 3649 4002

Silver Bay Station 1967 1968 2039
2725 2731 2732

Squilla empusa Say

Oregon Station 110 123 185
188 274 342
382 562 720
845 982 1495
1496 1500 1531
1532 1535 1536
2208 2209 2272
2279 2327 2463
2495 2497 2527
2554 2556 2967

Silver Bay Station 8 67 154
170 2165

Combat Station 375 378 379

Pelican Station 14

Squilla heptacantha (Chace)

Oregon Station 1340 2606 2648
2649 2658 2664
3585 3588 3590

Combat Station 235 236 238
445

Squilla intermedia Bigelow

Oregon Station 1241 1343 1344
2606 2639 2652
2658 2664 3627

Silver Bay Station 182 2458

Combat Station 235 237 238

Squilla lijdingi Holthuis

Oregon Station 2207 2226 2228
2231 2250 2272
2276 2306 2307a
2307b 2327

Squilla neglecta Gibbes

Oregon Station 993

Combat Station 396

Squilla obtusa Holthuis

Oregon Station 2208 2209

Squilla quadridens Bigelow

Oregon Station 896 2249 2402

Squilla rugosa Bigelow

Oregon Station 449 713 907
1050 1938 2244
2249 2250 2261
2262 2267 2276

Silver Bay Station 73

LIST OF MOLLUSKS

ARCIDAE

Noetia ponderosa Say

Silver Bay Station: 121, 122, 143, 145

Glycymeris americana Defrance

Oregon Station: 1707, 1709, 1710

Silver Bay Station: 25, 26, 28, 2283, 2346

Anadara baughmani Hertlein

Oregon Station: 1495, 1496

PINNIDAE

Atrina rigida Solander

Silver Bay Station: 58, 59, 71, 84

PTERIIDAE

Pteria colymbus Röding

Oregon Station: 1721, 1781

Silver Bay Station: 36, 71, 118

SPONDYLIDAE

Spondylus echinatus americanus Lamarck

Silver Bay Station: 86, 87, 88, 93

PECTINIDAE

Pecten raveneli Dall

Oregon Station: 1693, 1697, 1698, 1700, 1701, 1702, 1705, 1706, 1709, 1710, 1714, 1715

Silver Bay Station: 21, 35, 110

Pecten terenius Dall

Silver Bay Station: 86

Pecten ziczac Linné

Silver Bay Station: 71, 73, [illegible], 91, 2282, 2283

Pecten glyptus Verrill

Oregon Station: 1513, 1514, 1558

Pecten gibbus Linne

Oregon Station: 1627, 1629, 1681, 1683, 1684, 1698, 1700, 1701, 1702, 1703, 1704, 1706, 1709, 1711, 1726, 1727, 1757, 2537, 2807, 2808, 2809, 2810, 2811, 2812, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2956, 2957, 2958, 2959, 3025, 3129, 3130

Silver Bay Station: 47, 59, 71, 93, 95, 96, 98, 99, 110, 159, 573, 574, 579, 580, 582, 583, 586, 587, 591, 595, 599, 602, 606, 609, 610, 615, 618, 626, 648, 652, 662, 666, 667, 672, 789, 1226, 1270, 1273, 1496, 1497, 1564, 1565, 1742, 1864, 1867, 1934, 1935, 1936, 1939, 1944, 1946, 1947, 1948, 1949, 1984, 2283, 2503, 2510, 2511

Combat Station: 69, 94, 95, 320, 335, 337, 338, 339, 340, 341

Pecten nodosus nodosus Linne

Oregon Station: 1693, 1698, 1713, 1726, 1938

Silver Bay Station: 93, 94, 98, 1208, 2359, 2378, 2402, 2507

PECTINIDAE (contd.)

Amusium dalli E. A. Smith

Oregon Station: 1909, 1911, 1915, 1916, 1919, 1922, 1923, 1942, 1946, 1949, 1950, 1952, 1953

Silver Bay Station: 2483

Amusium papyraceus Gabb

Oregon Station: 1496, 1500, 1803, 2960, 3000, 3015, 3043, 3119

Pecten muscosus (Wood)

1683, 1693, 1698, 1710

Silver Bay Station: 35, 71, 141, 143

LIMIDAE

Lima scabra Born

Silver Bay Station: 71

MYTILIDAE

Modiolus politus Verrill and Smith

Oregon Station: 2825

Modiolus saggitatus Rehder

Silver Bay Station: 2480

CRASSATELLITIDAE

Crassatellites gibbsii Tuomey and Holmes

Oregon Station: 1675

Silver Bay Station: 84

CHAMIDAE

Chama (Echinochama) arcinella Linné

Silver Bay Station: 35, 121, 134, 145

CARDIIDAE

Cardium (Dinocardium) robustum Dall

Oregon Station: 1740, 1750, 1777, 1778

Silver Bay Station: 18, 121, 143, 145, 146

Laevicardium serratum Linné

Oregon Station: 1672, 1675, 1681, 1683, 1685, 1694, 1695, 1702, 1712, 1714, 1716, 1727, 1755, 1758, 1762, 2, 1764, 1767

VENERIDAE

Dosinia discus Reeve

Silver Bay Station: 1965

Dosinia elegans Conrad

Silver Bay Station: 145

Macrocallista maculata Linné

Silver Bay Station: 28, 39, 41, 58, 89, 93, 97, 98, 99, 117

Chione paphia Linné

Silver Bay Station: 89

Mercenaria campechiensis Gmelin

Oregon Station: 1741

Silver Bay Station: 116, 121, 124, 125, 127, 128, 130, 131, 132, 133, 134, 135, 136, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 504, 505, 506, 507, 508, 509, 510, 511, 512, 517, 518, 519, 534, 535, 536, 544, 546, 549, 550, 556, 562, 567, 1410, 1411, 1412, 1413, 2219

TROCHIDAE

Gaza superba Dall

Oregon Station 1566 1672 1919 1942 1946 1948 2825

TURBINIDAE

Turbo castaneus Gmelin

Silver Bay Station 59

NATICIDAE

Polinices duplicatus Say

Oregon Station 1744 1750

Sinum perspectivum Say

Silver Bay Station 27 28 59

XENOPHORIDAE

Xenophora conchyliophora Born

Oregon Station 1712

Tugurium caribaeum Petit

Oregon Station 1879 1903 1904

Silver Bay Station 51 2481

Combat Station 446

Tugurium longleyi Bartsch

Oregon Station 1537 1538 1545

Silver Bay Station 1190 1193 1198

STROMBIDAE

Strombus gigas Linné

Oregon Station 1755 1776 1777 1780 1782 1783

Silver Bay Station 657

Strombus costatus Gmelin

Silver Bay Station 71

Strombus alatus Gmelin

Silver Bay Station 39 86 95 96

CASSIDIDAE

Cassis madagascarensis Lamarck

Oregon Station 1675

Silver Bay Station 61 94 95 1874 2285 2288 2494

Phalium granulatum Born

Silver Bay Station 2400

Sconsia striata (Lamarck) Grey

Oregon Station 1495

TONNIDAE

Tonna galea Linné

Oregon Station 1751

Silver Bay Station 2346 2502

Ficus papyratia Say

Oregon Station 1675 1685 1688 1689

Silver Bay Station 71 2285

CYMATIIDAE

Distorsio clathrata Lamarck

Oregon Station 1674 1700

Silver Bay Station 39

MURICIDAE

Murex cabriti Bernardi

Oregon Station 1674 1693 [illegible] 1706 1865

Silver Bay Station 35 37

Murex recurvirostris rubidus Baker

Oregon Station 1693

Silver Bay Station 35

MURICIDAE (contd.)

Murex beaui Fischer and Bernardi

Oregon Station 1558 1981

Silver Bay Station 51 102 154 2391 2428 2463 2539

Murex pomum Gmelin

Oregon Station 1672 1675

Silver Bay Station 5

Murex pazi Crosse

Silver Bay Station 2454 2481

Murex fulvescens Sowerby

Oregon Station 1672 1673 1674 1681 1682 1683 1684 1685 1686 1688 1690 1693 1696 1711 1712 1713 1714 1715 1726 1727 1733 1744 1745 1755 1756 1757 1758 1759 1760 1763 1773 1775 1776 1778 1779 1780 1781 1782 1783

Silver Bay Station 32 39 1564

Murex florifer Reeve

Silver Bay Station 85 1564

Pelican Station 15

Murex bequaerti Clench and Farfante

Silver Bay Station 51

Murex aguayoi Clench and Farfante

Silver Bay Station 2481

Combat Station 446

Murex nuttingi Dall

Oregon Station 1981

CORALLIPHILIDAE

Coralliophila deburghiae Reeve

Silver Bay Station 2481

[illegible]

Liomesus stimpsoni Dall

Silver Bay Station 1551

Busycon perversum Linné

Oregon Station 1674 1681 [illegible] 1686 1699 1704 1712 1716 1743 1744 1751 1760 1761 1763 1772 1778 1779 1781 1782 1787

Silver Bay Station 32 71 121 143

[illegible]

Fasciolaria tulipa Linne

Oregon Station 1700

Silver Bay Station 41 [illegible] 2502 2607 2523

Fasciolaria hunteria Perry

Oregon Station 1781

Silver Bay Station 59 65 97 98 143 145

Pleuroploca gigantea Kiener

Oregon Station 1683 1686 1694 1695 1705 1714 1727 1763 1776 1777 1778 [illegible] 1785

Silver Bay Station 39 41 71 99 122 1874 2522

FASCIOLARIIDAE (contd.)	Fusinus timessus Dall				
	Oregon Station	1701			
	Silver Bay Station	2400	2403	2432	
	Fusinus eucosmius Dall				
	Silver Bay Station	2403			
XANCIDAE	Xancus angulatus Solander				
	Oregon Station	1865			
VOLUTIDAE	Scaphella junonia Shaw				
	Oregon Station	1674	1675	1677	
		1685	1686	1688	
		1689	1702	1727	
	Silver Bay Station	81	91		
	Scaphella dohrni Sowerby				
	Silver Bay Station	2418	2424		
	Scaphella dubia Broderip				
	Silver Bay Station	2428			
	Scaphella gouldiana Dall				
	Combat Station	438			
	Scaphella robusta Dall				
	Oregon Station	2825			
	Silver Bay Station	2418	2452	2480	
	Combat Station	436			
MITRIDAE	Mitra stimpsoni				
	Silver Bay Station	2481			
OLIVIDAE	Oliva sayana Ravenel				
	Oregon Station	1694	1695	1776	
TEREBRIDAE	Terebra dislocata Say				
	Oregon Station	1709			
CONIDAE	Conus spurius atlanticus Clench				
	Oregon Station	1686	1714		
	Silver Bay Station	148			
	Conus daucus Hwass				
	Pelican Station	15			
	Conus sozoni Bartsch				
	Oregon Station	1683	1697	1710	
		1712			
TURRIDAE	Polystira tellea Dall				
	Oregon Station	1495			
	Ancistrosyrinx elegans Dall				
	Oregon Station	1961			
	Genota viabrunnea Dall				
	Oregon Station	1883			
SCAPHANDRIDAE	Scaphander watsoni Dall				
	Oregon Station	1883			
LOLIGINIDAE	Loligo pealii Le Sueur				
	Oregon Station	1495	1531	1536	
		1554	1558		
	Silver Bay Station	5	7		
	Combat Station	67	94	95	
		97	99	101	

MYXINIDAE

Myxine glutinosa Linnaeus

Oregon Station 1886 1945

Combat Station 450 473

Paramyxine springeri Bigelow and Schroeder

Oregon Station 1445 1450 1886 1945 2670

Silver Bay Station 445 490 1189 1190

HEXANCHIDAE

Heptranchias perlo (Bonnaterre)

Oregon Station 1452

Silver Bay Station 295

CARCHARIIDAE

Carcharias taurus Rafinesque

Silver Bay Station 1005 1006 1009 1463 1751 1799

ISURIDAE

Isurus oxyrhinchus Rafinesque

Oregon Station 1468 1488a 1584 1590 1606 1610 1612 1626 1862 1900 2764

ALOPIIDAE

Alopias vulpinus (Bonnaterre)

Silver Bay Station 157

ORECTOLOBIDAE

Cinglymostoma cirratum (Bonnaterre)

Silver Bay Station 915 989 1075

SCYLIORHINIDAE

Apristurus profundorum (Goode and Bean)

Oregon Station 2777

Silver Bay Station 1182

Galeus arae (Nichols)

Oregon Station 1454 1537 1539 1540 1541 1542 1543 1546 1547 1548 1550 1551 1872 1883 1885 1889 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1931 1932 1933 1942 1943 1944 1945 1947 1948 1949 2606 2651 2663 2670 2672 2674

Silver Bay Station 232 237 441 1192 1193 1194 2040 2420 2421 2423 2483

Combat Station 215 224 228 259 308 317 319 322 330 332 436 438 439 441 442 444 453 458 459

Pelican Station 17 18 20 27

Scyliorhinus retifer (Garman)

Oregon Station 1448 1453 1454 1455 1456 1518 1519 1526 1529 1530 1537 1538 1539 1543 1548 1550 1551 1564 1565 1567 1569 1577 1578 1580 1883 1963 1966 1969 1971 2673 2674

Silver Bay Station 1177 1190 1191 1196 1277 1280 1283 2173 2902

Combat Station 177 183 285 300 357 438 441 442

Pelican Station 40

SCYLIORHINIDAE (contd.)

Scyliorhinus torrei Howell-Rivero

Silver Bay Station 2457 2475 2477

Scyliorhinus boa

Silver Bay Station 2482

TRIAKIDAE

Mustelus canis (Mitchill)

Oregon Station 2113

Silver Bay Station 1266 1486 1642 1643 1664

Mustelus norrisi Springer

Silver Bay Station 7 326

Triakis barbouri Bigelow and Schroeder

Silver Bay Station 441 2457 2458 2469 2475 2483

CARCHARHINIDAE

Galeocerdo cuvieri (Peron and Le Sueur)

Oregon Station 1469 1474 1476 1478 1481 1488 1493 1584 1595 1606 1609 1610 1612 1615 1617 1619 1621 1622 1664 1668 1684 1896 1976

Silver Bay Station 379 409 849

Prionace glauca (Linnaeus)

Oregon Station 2769 2786

Negaprion brevirostris (Poey)

Oregon Station 1628 1630 1668 1670 1671 1725 1735 1787

Silver Bay Station 240

Hypoprion signatus Poey

Oregon Station 1567

Silver Bay Station 2584 2724

Carcharhinus acronotus (Poey)

Silver Bay Station 2138

Carcharhinus limbatus (Müller and Henle)

Oregon Station 2128

Eulamia floridanus (Bigelow, Schroeder and Springer)

Oregon Station 1430 1433 1435 1436 1469 1471 1478 1480 1484 1491 1582 1588 1590 1592 1594 1596 1598 1603 1606 1619 1621 1622 1624 1845 1862 1896 1898 1899 1900 1901 2141 2745 2768 2769 2786 2791 2796

Silver Bay Station 199

Eulamia obscurus

Oregon Station 1474 1476 1478 1481 1488b 1490 1493 1584 1609 1610 1612 1615 1617 1619 1621 1622 1624 1975 1977 2766 2768 2791 2796

Combat Station 38

Pterolamiops longimanus (Poey)

Oregon Station 1370 1431 1432 1433 1434 1435 1437 1439 1440 1469 1471 1473 1478 1481 1482 1484 1488a 1488b 1490 1491 1493 1584 1586 1588 1590 1592 1594

CARCHARHINIDAE (contd.)

1595 1597 1598
1599 1603 1604
1606 1609 1617
1622 1624 1626
1645 1846 1862
1899 1900 1977
1978 1979 2785
2791 2796

Scoliodon terraenovae (Richardson)

Oregon Station 2877

SPHYRNIDAE

Sphyrna diplana Springer

Oregon Station 1629 2386 2395
2422 2423 2486
2525

Silver Bay Station 199 362 378

Sphyrna lewini (Griffith)

Silver Bay Station 172

Sphyrna tiburo (Linnaeus)

Oregon Station 1629 1654 1657
1659 1663 1716
2101 2116 2127
2136 2388 2869
2877 2878 2904
3046

Silver Bay Station 258 267 274
319 327 919

Combat Station 504

Sphyrna tudes

Oregon Station 2110

Sphyrna zygaena (Linnaeus)

Oregon Station 2504 2873 2877

SQUALIDAE

Etmopterus bullisi Bigelow and Schroeder

Oregon Station 1952 2636 2672

Silver Bay Station 1607 2074 2421
2449

Combat Station 444

Etmopterus hillianus (Poey)

Oregon Station 1568 2606 2639
2647 2651 2663
2664 2666

Etmopterus princeps

Pelican Station 43

Etmopterus schultzi Bigelow, Schroeder and Springer

Oregon Station 1453 1507 1521
1526 1527 1530

Silver Bay Station 1180

Etmopterus virens Bigelow, Schroeder and Springer

Oregon Station 1441 1442 1456
1460 1502 1509
1516 1518 1519
1521 1525 1526
1527 1528 1529
1530 1565 1889
1924 1928 1943
1963 1965 1966
1968 1969 1984
2825

Squalus acanthias Linnaeus

Silver Bay Station 1487 1725 1726

Squalus cubensis Howell-Rivero

Oregon Station 1450 1564 2664

Silver Bay Station 2468

Combat Station 183

SQUALIDAE (contd.)

Squalus fernandinus Molina

Oregon Station 1961

Silver Bay Station 1740 1741

Combat Station 235 442 453

Squalus sp.

Combat Station 288 289 295
438 453

DALATIIDAE

Dalatias licha (Bonnaterre)

Silver Bay Station 441 450 451

PRISTIOPHORIDAE

Pristiophorus schroederi Springer and Bullis

Silver Bay Station 441 2457 2458
2469

Combat Station 449 (type location)

SQUATINIDAE

Squatina dumerili (Le Sueur)

Silver Bay Station 1268

Squatina sp.

Oregon Station 1496 1558 1562
1563 1648 1669
1705 1716 1792
1902 1961 1968
2203 2527 3167
3173

Silver Bay Station 4 154 155
176 178 180
182 195 266
281 300 314
316

Combat Station 382 383

RHINOBATIDAE

Rhinobatos lentiginosus (Garman)

Oregon Station 1674 2993 3027

Silver Bay Station 152 1226

Combat Station 381

Rhinobatos percellens (Walbaum)

Oregon Station 2017 2043 2046
2325

Silver Bay Station 69

Rhinobatos sp.

Silver Bay Station 1286 1289

TORPEDINIDAE

Torpedo andersoni Bullis

Silver Bay Station 2467 (type location)
2470

Torpedo nobiliana Bonaparte

Oregon Station 1694 (6 fathoms)
1907 2007 2008
2025

Silver Bay Station 238 239 241
243 244 245

Combat Station 290

Narcine brasiliensis (Olfers)

Oregon Station 182 1740 1743
1744 1750 1776
1779 2055 2057
2058 2385 2395
2397 2408 2410
2461 2503

Silver Bay Station 32 411 1329
2288 2289 2355

Narcine sp.

Oregon Station 2001 2037

Diplobatis pictus Palmer

Oregon Station 2321

Diplobatis sp.

Oregon Station 2058 2213 2236
2263 2267

TORPEDINIDAE (contd.)

Benthobatis marcida Bean and Weed

Oregon Station 1342

Silver Bay Station 441 442 450
2420 2421 2457
2469 2472 2477
2479 2481 2482

Combat Station 238 436 442
444 446 447
448 453 458

RAJIDAE

Raja eglanteria Bosc

Oregon Station 729 730 1672
1674 1675 1676
1677 1679 1680
1685 1686 1687
1688 1693 1694
1695 1699 1700
1701 1703 1705
1706 1707 1708
1709 1710 1713
1716 1717 1718
1719 1726 1751
1757 1763

Silver Bay Station 39 41 48
88 89 91
273 929 1079
1121 1208 1212
1226 1263 1341
1342 1345 1348
1351 1393 1486
1487 1518 1529
1537 1664 1725
1726 1865 1984
2080 2133 2140
2165 2410 2576
2579 2581

Combat Station 68 339 408

Raja floridana ?

Silver Bay Station 2475

Raja garmani Whitley

Silver Bay Station 458 1274 1275
1671 1694 1932
2405

Combat Station 175 177 402
370

Pelican Station 16

Raja laevis Mitchill

Oregon Station 1007

Silver Bay Station 217 220 221
1606 1608 1617

Combat Station 263 288 289
295 330 357
414 430 441
442 453 470
484

Raja lentiginosa Bigelow and Schroeder

Oregon Station 1868 1869 1870
1871 1872 1883
1891 1902 1903
1945

Silver Bay Station 458

Raja olseni Bigelow and Schroeder

Silver Bay Station 316

Raja scaphiops ?

Oregon Station 1944

Raja teevani Bigelow and Schroeder

Combat Station 448

Raja texana Chandler

Oregon Station 1494 1497 1499
1531 1533 1535
1536 1675 1682
1746 1754 1755
1756 1757 1758
1762 1774 1777

RAJIDAE (contd.)

1778 1779 1782
1783 2546 2552
2554 2555 2557

Silver Bay Station 3 4 6
9 14 36
157 159 162
170 352 2383
2390 2407 2410

Breviraja atripinna Bigelow and Schroeder

Silver Bay Station 2458

Breviraja colesi Bigelow and Schroeder

Silver Bay Station 2457 2469 2482
2483

Combat Station 238

Breviraja cubensis

Silver Bay Station 2458 2469 2475

Combat Station 449 450

Breviraja plutonia (Garman)

Silver Bay Station 216 218 225
449 454 458
462 469 475
484 1607 1608
2420 2421 2485
3078

Combat Station 183 231 288
289 312 324
325 329 330
357 414 431
433 434 436
439 454 459
473 486 499
500

Pelican Station 11 27 29
34 36 37
40 43 49
57 77 79

Breviraja sinus-mexicanus Bigelow and Schroeder

Oregon Station 379 795 1450
1961

Breviraja spinosa Bigelow and Schroeder

Oregon Station 2030 ?

Silver Bay Station 443 3095

Combat Station 289 295 312
357 436 442
445 459 499

Pelican Station 40

Breviraja sp.

Oregon Station 696 726 729
730 1872 1883
1927 1928 1929
1931 1944 1949
1952

Silver Bay Station 441 442 445
2449 2469 2484

Cruriraja atlantis

Silver Bay Station 2458 2469 2475

Combat Station 450

Cruriraja poeyi Bigelow and Schroeder

Silver Bay Station 2457 2458 [illegible]
2472 2484

Combat Station 447

Cruriraja sp.

Oregon Station 1895 1915 1916
1919 1921 1932
1933 1943 1945
1946 1947 1949
1950 1952 1918

Dactylobatis armatus Bean and Weed

Silver Bay Station 2074

ANACANTHOBATIDAE — Anacanthobatis longirostris

Silver Bay Station 2458

Springeria folirostris (Bigelow and Schroeder)

Oregon Station 1441 1453 1454 1456 1505 1506 1508 1557 1562 1563 1566 1568 1569 1574 1579 1580 1961 1962 1963 1965 1969 2825

DASYATIDAE — Dasyatis americana Hildebrand and Schroeder

Oregon Station 2882

Silver Bay Station 1521 1528 1553

Dasyatis centroura (Mitchill)

Oregon Station 1785 2194

Silver Bay Station 1250 1326 2133 2456 2581

Dasyatis geijskesi Boeseman

Oregon Station 2056

Dasyatis sabina (Le Sueur)

Oregon Station 2875

Silver Bay Station 1529 1586

Dasyatis say (Le Sueur)

Silver Bay Station 241 242 1553 2578

Dasyatis sp.

Oregon Station 2057

GYMNURIDAE — Gymnura micrura (Bloch and Schneider)

Oregon Station 1653 2057 2058 2375 2876 2878

Silver Bay Station 320 929 1286 1748 2165

UROLOPHIDAE — Urolophus jamaicensis (Cuvier)

Oregon Station 2058

Urolophus micropthalmum Delsman

Oregon Station 2055 2056

Urolophus sp.

Oregon Station 2055 2057 2210 2211 2215

MYLIOBATIDAE — Myliobatis freminvillii Le Sueur

Oregon Station 2404 2408

Silver Bay Station 1498 2165 2553

Aetobatus narinari (Euphrasen)

Silver Bay Station 167 244 1383

RHINOPTERIDAE — Rhinoptera bonasus (Mitchill)

Oregon Station 2093 2094

Silver Bay Station 1373 1498

Rhinoptera braziliensis Müller and Henle

Silver Bay Station 1250

CHIMAERIDAE — Hydrolagus alberti Bigelow and Schroeder

Oregon Station 1450 1451 1452 1460 1506 1509 1519 1521 1527 1529 1565 1567 1568 1569 1570 1571 1574 1576 1577 1578 1579 1580 1872 1887 1919 1923 1933 1949 1955 2010 2011 2353

Silver Bay Station 450 2484

Hydrolagus mirabilis (Collett)

Oregon Station 1426

ACIPENSERIDAE — Acipenser oxyrhynchus Mitchill

Silver Bay Station 1486

ELOPIDAE — Elops saurus Linnaeus

Oregon Station 1804 2586 2588 2973 3027

Silver Bay Station 166 167

ALBULIDAE — Albula vulpes (Linnaeus)

Oregon Station 1600

Silver Bay Station 353 410 850 1062 1063

CLUPEIDAE — Alosa alabamae Jordan and Evermann

Silver Bay Station 106

Alosa aestivalis (Mitchill)

Silver Bay Station 1664 1725

Alosa chrysochloris (Rafinesque)

Oregon Station 2115 2117

Alosa mediocris (Mitchill)

Silver Bay Station 1400

Alosa sapidissima (Wilson)

Silver Bay Station 1664 1665 1666 1747

Brevoortia gunteri Hildebrand

Oregon Station 2869 2878 2903 2914

Brevoortia patronus Goode

Oregon Station 1649 2093 2098 2114 2115 2126 2127 2128 2130 2142 2402 2403 2408 2413 2415 2416 2502 2583 2588 2676 2693 2694 2695 2869 2875 2876 2878 2881 2903 2914 3095 3141 3149

Silver Bay Station 166 168

Brevoortia tyrannus (Latrobe)

Silver Bay Station 1313 1375 1376 1625

Brevoortia smithi Hildebrand

Oregon Station 2712 2728 2731

Silver Bay Station 238 239

Pelican Station 2 3

Clupea harengus Linnaeus

Silver Bay Station 2891

Dorosoma cepedianum Le Sueur

Oregon Station 2381

Etrumeus sadina (Mitchill)

Oregon Station 1642 1657 1660 2093 2094 2095 2096 2097 2116 2118 2119 2121 2131 2136 2137 2157 2167 2168 2172 2173 2177 2178 2179 2183 2380 2428 2431 2441 2442 2444 2445 2448 2449 2455 2471 2472 2473 2474 2475 2476 2477 2478 2479 2483 2486 2487 2488 2489 2492 2493 2505 2536 2543 2551 2553 2559 2687 2692 2753 2797 2860 2861 2925 3013 3015 3039 3056

CLUPEIDAE (contd.)

Silver Bay Station 1 4 152
160 162 163
242 401 496
713 727 728
744 787 816
1222 1391 1397
1487 1498 1659
2487 2070

Combat Station 496

Harengula humeralis Cuvier

Oregon Station 1863

Silver Bay Station 410

Harengula majorina

Oregon Station 2215

Harengula pensacolae Goode and Bean

Oregon Station 40 122 1649
1718 1805 1834
2093 2094 2095
2097 2098 2099
2100 2102 2118
2119 2120 2121
2122 2123 2124
2125 2126 2127
2128 2130 2142
2143 2144 2145
2152 2153 2154
2173 2193 2194
2223 2374 2375
2380 2381 2382
2383 2384 2390
2391 2392 2393
2394 2395 2398
2403 2404 2405
2406 2407 2408
2409 2410 2411
2412 2413 2414
2415 2416 2418
2421 2422 2423
2457 2460 2461
2462 2473 2474
2494 2495 2496
2497 2501 (?2504
2505 2526 2551
2558 2560 2561
2562 2563 2564
2585 2586 2587
2588 2590 2600
2711 2720 2726
2729 2753 2797
2851 2879 2898
2904 2910 2926
2928 2993 3022
3082 3095 3103
3114 3141 3149

Silver Bay Station 152 153 165
166 167 168
169 238 239
245 246 257
273

Harengula sp.

Oregon Station 771 1974

Silver Bay Station 2178

Ilisha argentata

Oregon Station 2215

Jenkinsia lamprotaenia (Gosse)

Oregon Station 1600 1607 1852
Campeche Bank
Arcas Cay

Silver Bay Station 358 396 816

Jenkinsia sp.

Oregon Station 1600 1842 1848
1853

Odontognathus mucronatus Lacepede

Oregon Station 2325

Opisthonema oglinum (Le Sueur)

Oregon Station 2045 2093 2095
2096 2098 2099
2119 2122 2123
2124 2125 2127
2128 2130 2135
2136 2137 2142
2144 2145 2152
2205 2206 2218

CLUPEIDAE (contd.)

2374 2375 2379
2380 2383 2384
2389 2390 2391
2392 2393 2394
2403 2404 2405
2406 2407 2408
2411 2412 2413
2414 2415 2417
2418 2448 2460
2461 2462 2469
2471 2472 2473
2494 2495 2496
2497 2504 2511
2550 2553 2559
2560 2561 2562
2565 2564 2590
2600 2689 2694
2695 2713 2714
2715 2716 2717
2718 2720 2726
2729 2740 2742
2753 2797 2851
2870 2878 2883
2898 2904 2910
2914 2928 2967
3027 3103 3109
3149

Silver Bay Station 163 165 166
167 169 188
189 191 238
239 241 351
352 362 364
374 498 722
846 880 900
914 940 943
1211 1212 1214
1226 1227 1240
1241 1242 1249
1251 1252 1262
1264 1284 1285
1286 1287 1288
1289 1290 1303
1307 1309 1310
1351 1375 2165
2216

Combat Station 504

Sardinella anchovia Valenciennes

Oregon Station 1489 1600 1639
1647 1648 1666
1718 2162 2244
2428 2432 2458
2439 2440 2449
2455 2470 2505
2531 2532 2534
2559 2687 2715
2720 2727 2729
2742 2910 2928
3016 3141

Silver Bay Station 153 161 350
351 352 372
391 396 398
401 411 498
716 723 725
846 848 849
864 916 940
945 1121 1209
1214 1222 1231
1508 2138

Combat Station 67 203 336
496 504

Signalosa atchafalayae Evermann and Kendall

Oregon Station 2115

ENGRAULIDAE

Anchoa hepsetus (Linnaeus)

Oregon Station 1648 1784 2093
2117 2152 2193
2374 2379 2380
2381 2383 2384
2390 2391 2392
2393 2398 2401
2402 2403 2422
2498 2501 2502
2503 2504 2862

Silver Bay Station 1310 1328

Anchoa mitchilli (Valenciennes)

Oregon Station 2122 2124 2128
2130 2193 2386
2397 2398 2460
2914 2915

ENGRAULIDAE (contd.)	Silver Bay Station	1747			
	Anchoa sp.				
	Oregon Station	2215			
	Anchoviella eurystole (Swain and Meek)				
	Oregon Station	1489	1647		
	Anchoviella perfasciata (Poey)				
	Oregon Station	1380	1600	1824	
	Anchoviella sp.				
	Oregon Station	1602	1605		
ALEPOCEPHALIDAE	Alepocephalus productus Gill				
	Oregon Station	1303			
	Conocara murrayi (Koefoed)				
	Oregon Station	1303			
	Conocara sp.				
	Oregon Station	1426			
	Crimatroctes bullisi Grey				
	Oregon Station	1303			
	Leptoderma sp.				
	Oregon Station	1907	1955		
	Silver Bay Station	1197			
	Narcetes stomias (Gilbert)				
	Oregon Station	1303			
	Photostylus pycnopterus Beebe				
	Oregon Station	2201	2570		
	Roulenia attritus (Vaillant)				
	Oregon Station	1302	1303		
	Talismania sp.				
	Oregon Station	1907	2011		
	Xenodermichthys sp.				
	Oregon Station	1907	1910		
BARBOURISIDAE ?	Barbourisia rufa Parr				
	Pelican Station	49			
ARGENTINIDAE	Argentina striata Goode and Bean				
	Oregon Station	864	1026	1448	
		1501	1504	1508	
		1509	1514	1517	
		1518	1521	1524	
		1525	1527	1528	
		1530	1537	1538	
		1539	1540	1542	
		1543	1546	1548	
		1550	1556	1562	
		1565	1784	1868	
		1872	1883	1915	
		1923	1983	2547	
		2658	2669	2670	
		2671	2672	2674	
		3173			
	Silver Bay Station	156	157	212	
		217	218	1189	
		1190	1191	1201	
		1968	2457	2482	
		2731			
	Combat Station	281	319	441	
		491			
	Glossanodon pygmaeus Cohen				
	Oregon Station	156	550	858	
		1026 (type loc.)			
		1868	1902	1983	
		1985	1989	2057	
	Silver Bay Station	217			
	Combat Station	332	441	475	
		484	488	490	
		491			
STOMIATIDAE	Stomias affinis Günther				
	Oregon Station	1423	2567	2570	
	Stomias sp.				
	Oregon Station	2779	2945		
BATHYLAGIDAE	Bathylagus bericoides (Borodin)				
	Oregon Station	2548	2944		
	Bathylagus longirostris Maul				
	Oregon Station	2507	2944		
	Bathylagus sp.				
	Oregon Station	2945			
MELANOSTOMIATIDAE	Bathophilus gigliogi				
	Oregon Station	2944			
	Bathophilus pawneei Parr				
	Oregon Station	1418	1565	2507	
	Echiostoma barbatum Lowe				
	Oregon Station	796	1940	2548	
	Echiostoma tanneri (Gill)				
	Oregon Station	2507			
	Echiostoma sp.				
	Oregon Station	2813	2945		
	Eustomias bigelowi Welsh				
	Oregon Station	2573			
	Eustomias schmidti Regan and Trewavas				
	Oregon Station	2570			
	Eustomias sp.				
	Oregon Station	2012	2944	2945	
		3102			
	Flagellostomias sp.				
	Oregon Station	2507			
	Grammatostomias circularis Morrow				
	Oregon Station	2507			
	Haplostomias sp. ?				
	Oregon Station	2945			
	Leptostomias ramosus Regan and Trewavas				
	Oregon Station	1425			
	Leptostomias sp.				
	Oregon Station	2944			
	Melanostomias bilobatus Koefoed				
	Oregon Station	2573			
	Melanostomias biseriatus Regan and Trewavas				
	Oregon Station	1915			
	Melanostomias sp. ?				
	Oregon Station	2945			
	Photonectes sp.				
	Oregon Station	2944	2945		
IDIACANTHIDAE	Idiacanthus fasciola Peters				
	Oregon Station	2570			
MALACOSTEIDAE	Aristostomias sp.				
	Oregon Station	2191	2945	3102	
	Malacosteus sp. ?				
	Oregon Station	3102			

MALACOSTEIDAE (contd.)	Photostomias guernei Collett			
	Oregon Station	1423	2191	2507
		2570	2944	2945
	Thaumastomias atrox Alcock			
	Oregon Station	2191		
ASTRONESTHIDAE	Astronesthes aluceus			
	Oregon Station	1955		
	Astronesthes filifer Regan and Trewavas			
	Oregon Station	1895		
	Astronesthes richardsoni Poey			
	Oregon Station	1895		
	Astronesthes sp.			
	Oregon Station	2191	2945	3102
	Borostomias elucens (Brauer)			
	Oregon Station	1028		
	Heterophotus ophistoma Regan and Trewavas			
	Oregon Station	1955		
CHAULIODONTIDAE	Chauliodus danae Regan and Trewavas			
	Oregon Station	2507		
	Chauliodus sloanei Bloch and Schneider			
	Oregon Station	1502	1517	1519
		1521	1524	1525
		1526	1527	1541
		1567	1568	1569
		1570	1572	1574
		1579	1580	1915
		1916	1917	1918
		1923	1924	1928
		1939	1940	1941
		1945	1968	1972
		1990	1991	1992
		1993	1994	1995
		1996	1997	1998
		1999	2000	2001
		2002	2003	2004
		2005	2006	2007
		2008	2009	2010
		2011	2031	2191
		2200	2378	2507
		2773	2815	2823
		2944	2945	
	Silver Bay Station	454	1178	1179
		1180		
	Chauliodus sp.			
	Oregon Station	1991	2008	2352
		2777	2779	[illegible]
		3102		
GONOSTOMATIDAE	Argyripnus atlanticus Maul			
	Oregon Station	2644	2645	2646
	Combat Station	235		
	Bonapartia pedaliota Goode and Bean			
	Oregon Station	2464	2548	2570
		2577		
	Combat Station	296		
	Cyclothone braueri Jespersen and Tåning			
	Oregon Station	2464		
	Cyclothone sp.			
	Oregon Station	2823	2945	
	Combat Station	296		
	Diplophos maderensis (Johnson)			
	Oregon Station	[illegible]		
	Gonostoma atlanticum Norman			
	Oregon Station	2464	2574	2577
	Gonostoma bathyphilum Vaillant			
	Silver Bay Station	445		

GONOSTOMATIDAE (contd.)	Gonostoma elongatum (Günther)			
	Oregon Station	1182	1195	1927
		1940	1954	1955
		2007	2010	2011
		2191	2201	2507
		2567	2570	2571
		2573	2574	2779
		2823	2944	2945
		3102		
	Silver Bay Station	453	1182	1195
		2584		
	Ichthyococcus ovatus (Cocco) Bonaparte			
	Oregon Station	2464	2944	
	Margrethia obtusirostra Jespersen and Tåning			
	Oregon Station	2570		
	Maurolicus muelleri (Gmelin)			
	Oregon Station	1189	2378	2799
	Silver Bay Station	1740		
	Combat Station	444		
	Pollichthys mauli Grey			
	Oregon Station	1905	1907	2191
		2507	2604	2606
		3102		
	Polymetme corythaeola (Alcock)			
	Oregon Station	1054	1055	1541
		1565	1566	1574
		1871	1872	1888
		1889	1902	1903
		1919	1921	1943
		1945	1963	1991
		1992	1999	2005
		2285	2352	2606
		2336	2670	2671
		2672	2771	
	Silver Bay Station	2420	2469	2458
		2475		
	Combat Station	271	444	436
		450		
	Sonoda megalophthalma Grey			
	Oregon Station	1918	1924	1928
		1931	1933	
	Sonoda paucilampa Grey			
	Oregon Station	2606		
	Combat Station	235		
	Triplophos hemingi (McArdle)			
	Oregon Station	1907	1916	2007
		2777		
	Valenciennelus tripunctulatus (Esmark)			
	Oregon Station	2567	2570	
	Vinciguerria nimbaria (Jordan and Williams)			
	Oregon Station	2191		
	Vinciguerria poweriae Cocco			
	Oregon Station	2507	2570	2573
	Vinciguerria sp.			
	Oregon Station	3102		
	Yarrella blackfordi Goode and Bean			
	Oregon Station	126	1980	2009
		2010	2011	2777
	Silver Bay Station	1181	1195	
	Combat Station	450		
	Yarrella sp.			
	Oregon Station	1340	1944	
[illegible]	Argyropelecus aculeatus Valenciennes			
	Oregon Station	1555	1872	1906
		1940	1942	1944
		1945		
	Silver Bay Station	442	443	449

STERNOPTICHIDAE (contd.)	Combat Station	291	444	
	Argyropelecus affinis Garman			
	Oregon Station	1955		
	Silver Bay Station	1613	2074	
	Combat Station	301	304	
	Pelican Station	40		
	Argyropelecus hemigymnus Cocco			
	Combat Station	296		
	Argyropelecus olfersi (Cuvier)			
	Oregon Station	1952		
	Argyropelecus sladeni			
	Oregon Station	1340	1870	
	Argyropelecus sp.			
	Oregon Station	1340	1944	2685
	Combat Station	145		
	Pelican Station	57		
	Polyipnus asteroides Schultz			
	Oregon Station	1565	1570	1871
		1905	1919	1965
		2507	2604	2606
		2639	2645	
	Silver Bay Station	449	1613	
	Combat Station	317	436	
	Polyipnus laternatus Garman			
	Oregon Station	1370	1550	1886
		1887	1889	1921
		1922	1924	1940
		1947	2604	
	Combat Station	450	460	
	Polyipnus sp.			
	Oregon Station	2685		
	Combat Station	238		
	Sternoptyx diaphana Hermann			
	Oregon Station	349	1019	1303
		1356	1370	1425
		1436	1598	2823
	Silver Bay Station	443	1177	1195
	Combat Station	224	290	295
		[illegible]	300	301
		302	304	305
		312	313	323
		324		
	Pelican Station	11	49	
	Sternoptyx sp.			
	Oregon Station	2823		
[illegible]	Aldrovandia affinis Alcock			
	Oregon Station	2813	2814	[illegible]
		[illegible]		
	Aldrovandia gracilis Goode and Bean			
	Oregon Station	2814	2819	[illegible]
		2821		
	Halosaurus guntheri Goode and Bean			
	Oregon Station	1947	[illegible]	2824
	Halosaurus owenii ? Johnson			
	Oregon Station	1950		
[illegible]	Polyacanthonotus sp.			
	Oregon Station	2824		
SYNAPHOBRANCHIDAE	Synaphobranchus affinis Johnson			
	Silver Bay Station	446	452	
SYNAPHOBRANCHIDAE	Synaphobranchus brevidorsalis Günther			
	Oregon Station	1303		
	Synaphobranchus kaupii Johnson			
	Oregon Station	1955		
	Silver Bay Station	443	445	453
	Synaphobranchus oregoni Castle			
	Oregon Station	640	2822	
ILYOPHIDAE	Ilyophis brunneus Gilbert			
	Oregon Station	2202	2822	
MURAENESOCIDAE	Muraenosox savanna (Cuvier)			
	Oregon Station	2347		
CONGRIDAE	Ariosoma selenops Reid			
	Oregon Station	1891	2080	2081
		2082	2268	
	Combat Station	446	448	
	Ariosoma impressa (Poey)			
	Oregon Station	2047	2168	2247
		2267	2285	2297
	Silver Bay Station	1376	1393	1791
		2057		
	Combat Station	256	461	
	Bathycongrus sp. nov.			
	Oregon Station	2290	2351	
	Combat Station	445		
	Bathycongrus dubius (Breder)			
	Oregon Station	1548	1869	1888
		1889	1985	2005
		2772		
	Silver Bay Station	1190		
	Hildebrandia flava (Goode and Bean)			
	Oregon Station	2226	2348	2853
	Bathycongrus gracilior Ginsburg			
	Oregon Station	1343	1868	1879
		1986	1987	2288
		2654	2666	
	Bathycongrus thysanochile			
	Oregon Station	1878	2633	2639
		2653		
	Combat Station	446		
	Bathycongrus vicinus			
	Oregon Station	1425	2010	2011
	Coloconger meadi Kanazawa			
	Oregon Station	1906	1923	2009
		2010	2011	2030
		2031		
	Conger oceanicus (Mitchill)			
	Silver Bay Station	1212	1268	1329
		2082		
	Congrina sp. nov.			
	Oregon Station	1921	2005	2021
		2080	2081	
	Gnathophis sp. nov.			
	Silver Bay Station	1200		
	Hoplunnis diomedianus Goode and Bean			
	Silver Bay Station	100		
	Hoplunnis macrurus Ginsburg			
	Oregon Station	27	2329	
	Silver Bay Station	187		

CONGRIDAE (contd.)	Hoplunnis tenuis Ginsburg			
	Oregon Station	1986	2288	2329
	Combat Station	238		
	Hoplunnis sp.			
	Silver Bay Station	1968		
	Neoconger mucronatus Girard			
	Oregon Station	2916		
	Paraconger guianensis Kanazawa			
	Oregon Station	2044	2046	
	Paraxenomystax bidentatus Reid			
	Oregon Station	1943		
	Combat Station	235	236	238
	Paraxenomystax sp. nov.			
	Oregon Station	1903	1983	1985
		2005	2024	2026
		2080	2606	2653
		2654	2656	2666
		2772		
	Combat Station	447	448	
	Promyllantor perturbator Parr			
	Oregon Station	1922	1929	
	Promyllantor schmitti Hildebrand			
	Oregon Station	1906	2009	2822
	Uroconger syringinus Ginsburg			
	Oregon Station	2208	2288	
DYSOMMINIDAE	Dysomma aphododera Ginsburg			
	Oregon Station	2346		
	Dysommina rugosa Ginsburg			
	Oregon Station	2777		
	Silver Bay Station	1190		
	Combat Station	82	84	308
		310		
	Pelican Station	36		
NETTASTOMIDAE	Nettastoma melanurum Rafinesque			
	Oregon Station	2822		
	Silver Bay Station	2458		
	Nettastoma sp.			
	Oregon Station	2011	2030	2039
	Combat Station	449	450	
	Saurenchelys sp.			
	Oregon Station	944	2653	
	Venefica procera (Goode and Bean)			
	Oregon Station	1303	1955	
	Venefica sp.			
	Oregon Station	2202		
ECHELIDAE	Ahlia egmontis Jordan			
	Oregon Station	1850		
	Silver Bay Station	371		
	George M. Bowers	Barracuda Key		
	Myrophis punctatus Lütken			
	Oregon Station	2		
	Parabathymyrus sp. nov.			
	Oregon Station	1987	2022	2656
NEMICHTHYIDAE	Avocettina sp.			
	Oregon Station	2507	2944	2945
	Combat Station	85		
NEMICHTHYIDAE (contd.)	Labichthys carinatus Gill and Ryder			
	Oregon Station	2944	2945	
	Nemichthys scolopaceus Richardson			
	Oregon Station	2944	2945	
	Silver Bay Station	333		
	Platuronides ophiocephalus Parr			
	Oregon Station	1425		
	Serrivomer sp.			
	Combat Station	42		
OPHICHTHYIDAE	Letharchus velifer Goode and Bean			
	Silver Bay Station	1568	2041	2114
	Mystriophis intertinctus (Richardson)			
	Silver Bay Station	390		
	Combat Station	339		
	Ophichthus gomesii (Castlenau)			
	Oregon Station	2297	2315a	
	Ophichthus ocellatus (Le Sueur)			
	Oregon Station	2015		
	Silver Bay Station	243	244	1259
	Combat Station	164	386	454
	George M. Bowers Station	50		
	Ophichthus sp.			
	Oregon Station	2076		
	Scytalophis parilis			
	Oregon Station	2229		
	Sphagebranchus anguiformis (Peters)			
	Combat Station	455		
	Verma kendalli (Gilbert)			
	Silver Bay Station	1739		
MURAENIDAE	Anarchias yoshiae Kanazawa			
	Silver Bay Station	1971		
	Gymnothorax moringa (Cuvier)			
	Silver Bay Station	110	407	
	Gymnothorax nigromarginatus (Girard)			
	Oregon Station	2268		
	Silver Bay Station	43		
	Gymnothorax ocellatus Agassiz			
	Oregon Station	1531	1532	1535
		1536	1705	1706
		1712	1716	1719
		1724	1928	1995
		1996	1997	1998
		2000	2019	2032
		2035	2044	2045
		2046	2052	2203
		2514	2517	2537
	Silver Bay Station	37	161	162
		163	164	170
	Combat Station	68	452	
	Gymnothorax saxicola Jordan and Davis			
	Silver Bay Station	70	406	1360
	Gymnothorax sp.			
	Silver Bay Station	2008		
ARIIDAE	Bagre marinus (Mitchill)			
	Oregon Station	1627	1640	1660
		1661	1784	2009
		2055	2056	2057

ARIIDAE (contd.)

2075 2126 2127
2128 2209 2393
2486 2488 2493
2866 2869 2878
2881 2904 2993
3027 3046 3053
3114

Silver Bay Station 165 169 170
187 241 242
243 244 245
303 929

Galeichthys felis (Linnaeus)

Oregon Station 1642 1647 1648
1649 1650 1716
1717 1718 1719
1740 1750 1759
1783 1784 2101
2124 2127 2142
2153 2154 2381
2384 2385 2386
2390 2391 2393
2394 2397 2398
2406 2407 2408
2410 2411 2413
2414 2419 2420
2423 2431 2458
2461 2462 2493
2494 2495 2496
2497 2498 2501
2502 2503 2504
2524 2549 2550
2559 2560 2561
2562 2563 2564
2590 2600 2676
2853 2866 2869
2878 2898 2904
2910 2926 2933
2967 2984 3027
3066 3078 3082
3114 3124 3138
3141

Silver Bay Station 152 162 163
165 166 167
168 169 170
188 189 238
239 241 242
243 244 245
258 303

Pelican Station 8

EVERMANNELLIDAE Evermannella normalops Parr

Oregon Station 2945

Evermannella spp.

Oregon Station 2191

AULOPIDAE Aulopus nanae Mead

Silver Bay Station 1200

SYNODONTIDAE Saurida brasiliensis Norman

Oregon Station 1303 1345 1600
1607 1654 1876
1890 2041 2231
2238 2241 2248
2268 2275 2344
2348 2626 2631
2632 2649

Silver Bay Station 2456 2464 2467
2471 2472 2482
2487

Combat Station 164 509

Pelican Station 16

Saurida caribbaea Breder

Oregon Station 1342 1784 1858
1883 1903 1989
2244 2633 2634
2644 2658

Silver Bay Station 2482

Saurida normani Longley

Oregon Station 1496 1500 1532
1556 1558 1559
1640 1868 1876
1878 1903 1925
1986 1989 1993
2001 2003 2016
2021 2203 2251
2246 2259 2261
2273 2275 2464
2606 2623

SYNODONTIDAE (contd.)

Silver Bay Station 12 51 91
108 154 155
156 351 401
431 438 441
2391 2457 2464
2468 2472 2476
2482

Combat Station 76

Pelican Station 16

Saurida parri Norman

Oregon Station 1345

Saurida suspicio

Oregon Station 2610 2631

Synodus cinereus Hildebrand

Oregon Station 2630

Synodus foetens (Linnaeus)

Oregon Station 1494 1495 1496
1499 1500 1513
1531 1532 1533
1534 1535 1600
1627 1628 1637
1638 1639 1641
1647 1650 1652
1654 1655 1656
1657 1658 1660
1661 1662 1663
1664 1668 1669
1670 1671 1690
1694 1701 1702
1703 1704 1705
1708 1709 1710
1713 1715 1716
1717 1718 1719
1725 1728 1729
1749 1758 1762
1763 1788 1789
1790 1791 1800
1802 1803 2076
2095 2101 2111
2122 2123 2224
2236 2262 2268
2325 2327 2373
2375 2376 2380
2398 2408 2537
2566 2567 2613
2910 2926 2933
2967 2984 3013
3082 3114 3124

Silver Bay Station 1 3 4
5 6 8
9 10 12
14 81 88
90 91 109
110 111 152
153 158 159
160 161 162
163 164 165
166 167 168
176 177 178
179 180 187
189 190 191
194 195 197
198 200 201
202 203 204
206 208 210
238 239 240
261 263 274
276 279 281
344 360 460
461 709 800
841 843 845
846 856 864
880 915 919
929 940 970
1005 1007 1008
1062 1085 1120
1204 1218 1228
1238 1240 1242
1243 1249 1253
1254 1259 1286
1287 1288 1289
1290 1320 1345
1351 1485 1508
1518 1537 1554
1664 1742 2077
2078 2083 2133
2143 2149 2165
2409 2411 2438
2439 2440 2441
2451 2525 2537
2578 2580 2581

Combat Station 158

SYNODONTIDAE (contd.)

Pelican Station 7 8 16 21 39

George M. Bowers Station 235

Synodus foetens

Bahamas, 1 mile West of Cat Cay, 6 fathoms, 7-22-55

Synodus intermedius (Agassiz)

Oregon Station 1004 1026 1553 1698 1875 1876 1935 1937 2245 2262 2607 2608 2623 2624 2649

Silver Bay Station 110 411 431 1208 1233 1523 2147 2409 2410 2411 2438 2451

Combat Station 66 67 68 69 71 108 158 164 509

George M. Bowers Station 235

Synodus poeyi Jordan

Oregon Station 916 944 1004 1600 1866 1867 1873 1875 1876 1877 1882 1890 2016 2017 2021 2032 2035 2036 2044 2045 2062 2074 2233 2236 2238 2241 2245 2247 2248 2249 2250 2251 2263 2273 2274 2275 2281 2288 2301 2304 2321a 2603 2616 2621 2626 2630 2632 2654

Silver Bay Station 1505 1742 2395 2409 2438 2439 2467 2476

Combat Station 383

Synodus saurus

Oregon Bahamas, 1 mile West of Cat Cay

Synodus synodus (Linnaeus)

Oregon Station 1892 2607 2623 2624

Silver Bay Station 2170 2359 2369 2719

Combat Station 236

Trachinocephalus myops (Forster)

Oregon Station 1074 1145 1183 1365 1367 1374 1380 1477 1559 1583 1593 1600 1602 1605 1637 1699 1863 2000 2019 2035 2036 2046 2063 2074 2077 2078 2089 2091 2249 2261 2544

Silver Bay Station 364 390 393 401 749 916 1211 1212 1219 1220 1233 1247 1268 1341 1345 1501 1504 2357 2376 2409 2411 2439 2451 2494 2500 2511 2525 2536 2542

Combat Station 66 67 68 69 71 101 159 320 348 383 392 424 496 497 498 501

SYNODONTIDAE (contd.)

Pelican Station 32

PARALEPIDIDAE

Lestidium pseudosphraenoides (Ege)

Oregon Station 1944

Lestidium affine (Ege)

Oregon Station 1305

Stemonosudis sp.

Oregon Station 1598

SUDIDAE

Chloropthalmus agassizi Bonaparte

Oregon Station 1871 1887 1919 1920 1921 1981 1984 2008

Silver Bay Station 211 212 217 226 227 228 454 1185 1190 1193 1551 1606 1607 1610 1619 2420 2483

Combat Station 177 183 218 224 284 285 286 288 289 300 303 313 316 317 319 322 323 324 332 430 431 433 434 435 436 438 439 441 442 455 458 462 467 472 473 475 477 479 480 483 484 485 487 491

Pelican Station 34 36 38 40 43

Chloropthalmus braziliensis Mead

Oregon Station 2082 2083

Chloropthalmus chalybaeus (Goode)

Oregon Station 1026 1380 1455 1501 1504 1505 1525 1527 1528 1529 1530 1537 1538 1539 1540 1541 1542 1543 1546 1548 1550 1872 1971 2008 2825

Silver Bay Station 441 442 449 454

Combat Station 436 438 439 441 444

Pelican Station 10 11 13 17 18 20 29 57

Parasudis truculentus (Goode and Bean)

Oregon Station 1441 1501 1504 1505 1506 1509 1517 1518 1519 1521 1525 1526 1527 1528 1530 1537 1539 1540 1541 1542 1543 1546 1547 1562 1563 1564 1565 1567 1568 1570 1573 1574 1578 1580 1872 1885 1889 1919 1922 1959 1961 1963 1964 1966 1968 1971 1981 1984 1989 1994 2004 2005 2007 2008 2012 2022 2023 2024 2025 2027 2029 2633 2635 2636 2650 2651 2656 2658 2772

Silver Bay Station 226 1178 1185 1190 2902

Combat Station 211 319 439

BATHYPTEROIDAE

Bathypterois bigelowi Mead

Oregon Station 1849 1906 1908 1909 1910 1911 1912 1913 1914 1915 1917 2824

Bathypterois phenax Parr

Oregon Station 1303 2821

Bathypterois quadrifilis Günter

Oregon Station 1955

Bathypterois viridensis Roule

Oregon Station 1906 1907 1914 1915

Bathytyphlops marionae Mead

Oregon Station 1955

BENTHOSAURIDAE

Benthosaurus grallator Goode and Bean

Oregon Station 1303 2820

MYCTOPHIDAE

Aethoprora effulgeus Goode and Bean

Oregon Station 1906

Aethoprora metopoclampa (Cocco)

Oregon Station 1915

Benthosema simile Tåning

Oregon Station 1028

Benthosema suborbitale (Gilbert)

Oregon Station 2570 2573 2575 2817

Centrobranchus nigro-ocellatus Günther

Oregon Station 1365 1374 2569 2789 2820 2868

Silver Bay Station 2201

Ceratoscopelus maderensis (Lowe)

Silver Bay Station 2902

Ceratoscopelus townsendi (Eig and Eig)

Oregon Station 2191 2570 2575 2576 2944 2945

Diaphus brachycephalus (Tåning)

Oregon Station 2464

Silver Bay Station 2583

Diaphus dumerili (Bleeker)

Oregon Station 1340 1370 2186 2201 2378 2396 2464 2574 2576 2604 2635 2644 2648 2654 2655 2666 2788 2803

Silver Bay Station 1184 1188 1201 2074 2076

Combat Station 445 446

Diaphus garmani Gilbert

Oregon Station 2186 2604 2606 2644 2768a 2775 2781 2788

Diaphus holti Tåning

Oregon Station 2573

Diaphus lucidus (Goode and Bean)

Oregon Station 2191 2200 2507 2566 2576 2671 2823 2945

Diaphus macrophus (Parr)

Silver Bay Station 2469 2583

Combat Station 447

MYCTOPHIDAE (contd.)

Diaphus mollis (Tåning)

Oregon Station 2464 2507 2570 2576 2944 2945

Diaphus rafinesque (Cocco)

Oregon Station 2507 2574

Diaphus taaningi (Norman)

Oregon Station 2378 2396 2944 2945

Diaphus termophilus (Tåning)

Oregon Station 2464 2775

Silver Bay Station 1613 2583

Diaphus spp.

Oregon Station 1902 1903 1933 1942

Silver Bay Station 211 441 451

Combat Station 295 296 300 301 302 303 306 436 391

Diogenichthys atlanticus Tåning

Oregon Station 2570

Gonichthys coccoi (Cocco)

Oregon Station 2396 2574 2945

Hygophum hygomi (Lütken)

Oregon Station 2944 2945

Silver Bay Station 2584

Hygophum macrochir (Günther)

Oregon Station 2191 2570 2573 2766b 2784 2795

Hygophum reinhardti (Lütken)

Oregon Station 2191 2945

Combat Station 287

Lampadena nitida Tåning

Oregon Station 2191 2945 3221

Lampadena sp.

Oregon Station 1928 2191 2944 2945

Lampanyctus alatus (Goode and Bean)

Oregon Station 1028 2507 2570 2573 2576 2577 2944 2945

Lampanyctus ater (Tåning)

Oregon Station 2817 2823 2944

Lampanyctus cuprarius Tåning

Oregon Station 2507

Lampanyctus festivus Tåning

Oregon Station 2191

Lampanyctus guentheri Goode and Bean

Combat Station 436

Lampanyctus lineatus Tåning

Oregon Station 2576 2823 2944 2945

Lampanyctus macropterus (Brauer)

Oregon Station 2191

Combat Station 296

Lampanyctus supralateralis Parr

Combat Station 197 301

MYCTOPHIDAE (contd.)

Lampanyctus sp.

Oregon Station 2945

Silver Bay Station 446

Combat Station 295 302

Lepidophanes guntheri (Goode and Bean)

Oregon Station 2191 2507 2508 2573 2768a 2944 2945

Silver Bay Station 1195

Lepidophanes pyrsobolus (Alcock)

Oregon Station 2191 2570

Lepidophanes supralateralis (Parr)

Oregon Station 2464 2507 2570 2823 2824

Lepidophanes sp.

Oregon Station 1918 1924 1933

Lobianchia gemellari (Cocco)

Oregon Station 2201 2570

Myctophum affine (Lütken)

Oregon Station 1128 1183 1356 1365 1370 1372 1374 1591 1593 1599 1602 1605 1824 2571 2782a 2784 2944

Silver Bay Station 2469

Combat Station 287 443

Myctophum asperum Richardson

Oregon Station 1605 2569

Combat Station 287

Myctophum nitidulum Garman

Oregon Station 1133 1365 1370 2763 2782a 2784 2789 2944 2945

Silver Bay Station 447

Combat Station 287

Myctophum obtusirostre Tåning

Oregon Station 1602 2774

Silver Bay Station 1195

Myctophum rufinum (Tåning)

Oregon Station 1605 2191

Myctophum selenops (Tåning)

Oregon Station 1903 1921

Combat Station 237 445 446

Myctophum sp.

Oregon Station 1572

Neoscopelus macrolepidotus Johnson

Oregon Station 1418 1917

Silver Bay Station 2421 2475 2483

Combat Station 450

Notoscopelus caudispinosus (Johnson)

Oregon Station 2191 2508 2945

Notoscopelus resplendens (Richardson)

Oregon Station 2191 2570 2573 2577 2945

OMOSUDIDAE

Omosudis lowei (Günther)

Oregon Station 1370

Combat Station 295

ALEPISAURIDAE

Alepisaurus ferox Lowe

Oregon Station 1430 1431 1432 1434 1435 1436 1437 1438 1440 1473 1474 1475 1476 1481 1482 1484 1486 1490 1582 1588 1590 1594 1596 1598 1609 1612 1617 1619 1622 1626 1862 1896 1897 1898 1900 2765 2768

Combat Station 295

CETOMIMIDAE

Cetomimus gilli Goode and Bean

Oregon Station 2823

Cetosoma regani

Oregon Station 2815 2821

ATELEOPIDAE

Ijimaia antillarum Rivero

Oregon Station 1442 1445 1567 1568 1569 1570 1573 1574 1872 1942 1965 1969

Combat Station 85 300 436 442 453

Ijimaia loppei Roule

Oregon Station 635

IPNOPIDAE

Ipnops murrayi Günther

Oregon Station 2820 2821

BELONIDAE

Ablennes hians (Valenciennes)

Oregon Station 1183 1602 1605 1608 cruise (surface)

Strongylura acus (Lacèpède)

Oregon Station 1605

Strongylura ardeola (Cuvier and Valenciennes)

Oregon Station 1600

Strongylura sp.

Oregon Station 1665

HEMIRAMPHIDAE

Euleptorhamphus viridis (Poey)

Oregon Station 1174 1183 1863 2308

Silver Bay Station 215

Combat Station 328

Hemiramphus balao Le Sueur

Combat Station 328 343 443 12/5 and 6/56

Hemiramphus brasiliensis (Linnaeus)

Oregon Station 1174 1183 1600 1602 1605

Combat Station 68 443 12/5 and 6/56

Hyporhamphus unifasciatus (Ranzani)

Oregon Station 1607

Silver Bay Station 2139

EXOCOETIDAE

Cypselurus combatus (Mitchill)

Oregon Station	surface		

Cypselurus cyanopterus (Valenciennes)

Oregon Station	1174	1183	1234
	1372	1602	1605

Cypselurus exsiliens (Linnaeus)

Oregon Station	1183		

Cypselurus furcatus (Mitchill)

Oregon Station	1438	1477	1587
	2672	1183	
Combat Station	82		

Cypselurus heterurus (Rafinesque)

Oregon Station	1183	1489	1587
	1591	1593	1597
	1598	1600	1602
	1605	2172	2201
	2268	2672	
Silver Bay Station	2172	2201	2268

Cypselurus lineatus (Cuvier and Valenciennes)

Oregon Station	1489		

Cypselurus lutkeni (Jordan and Evermann)

Silver Bay Station	301		

Exocoetus obtusirostris Günther

Oregon Station	1183	1145	1937
Silver Bay Station	1792	2139	2172
	2201		

Hirundichthys affinis (Günther)

Oregon Station	1489	2139	2172
	2857		
Silver Bay Station	396		

Oxyporhamphus micropterus (Valenciennes)

Oregon Station	1356	1365	1370
	1589	1591	1593

Oxyporhamphus micropterus similis (Brunn)

Oregon Station	1064	1145	1174
	1183		

Parexocoetus brachypterus (Richardson)

Oregon Station	1174	1234	1370
	1372	1489	1583
	1585	1587	1589
	1591	1623	1894
	2005	2249	2250
	2263		
Silver Bay Station	403	2132	2172
	2201	2268	

Parexocoetus brachypterus billianus (Richardson)

Oregon Station	1174	1234	1599
	1600	1602	1605
	2857		

Parexocoetus brachypterus littoralis (Richardson)

Silver Bay Station	396		

Prognichthys gibbifrons (Valenciennes)

Oregon Station	1145	1174	1183
	1365	1370	1372
	1489	1589	1832
	2857		
Silver Bay Station	2172	2201	2268

Prognichthys rondeletti (Valenciennes)

Oregon Station	1174	1183	1483
	1489	1583	1623

MACROURIDAE

Bathygadus favosus Goode and Bean

Oregon Station	1955		

Bathygadus macrops Goode and Bean

Oregon Station	1450	1907	

Bathygadus vaillanti (of Parr) or Roule and Angel?

Oregon Station	1907	1955	

Bathygadus sp.

Oregon Station	2773		
Silver Bay Station	1197		

Coelorhynchus caribbaeus (Goode and Bean)

Oregon Station	1926	2005	2652
Silver Bay Station	3095		

Coelorhynchus carminatus (Goode)

Oregon Station	1450	1885	1915
	1917	1919	1922
	1963	2005	2775
Silver Bay Station	211	212	213
	216	217	223
	224	225	226
	227	228	229
	230	441	458
Combat Station	186	289	290
	291	293	296
	300	312	313
	314	315	322
	323	325	329
	331	332	430
	431	435	436
	439	441	459
	462	472	473
	474	483	484
Pelican Station	10	13	36
	37	49	77

Coelorhynchus spp.

Oregon Station	1870	1871	1883
	1903	2285	2777
Silver Bay Station	452	2469	2902

Gadomus arcuatus (Goode and Bean)

Oregon Station	1906	1908	1915
	1955		

Gadomus longifilis (Goode and Bean)

Oregon Station	1906	1909	1910
	1911	1914	1955
Silver Bay Station	445	453	

Gadomus sp.

Silver Bay Station	1197		

Grenurus grenadae

Oregon Station	1955		

Rymenocephalus cavernosus (Goode and Bean)

Oregon Station	1450	1872	1885
	1906	1907	1908
	1909	1910	1911
	1915	1917	1924
	1945	2005	2068
Silver Bay Station	3095		

Rymenocephalus sp.

Oregon Station	2777		

Malacocephalus occidentalis Goode and Bean

Oregon Station	1450	1869	1872
	1883	1887	1989
Silver Bay Station	212	213	217
	218	224	225
	226	227	471
	1607	1610	1611
Combat Station	286	295	296
	300	301	314

MACROURIDAE (contd.)

	315	317	324
	332	436	438
	441	453	458
	459	475	476
	491		
Pelican Station	11	38	

Malacocephalus laevi

Oregon Station	1903		

Nezumia bairdi (Goode and Bean)

Oregon Station	1954		
Silver Bay Station	452		

Nezumia hildebrandi Parr

Oregon Station	1450	1906	1907
	1908	1910	1911
	1915	1917	1919
	1925	1955	2009
	2010		
Silver Bay Station	445	449	453
Combat Station	312	313	
Pelican Station	11	27	40

Oxygadus occa (Goode and Bean)

Silver Bay Station	445	452	

Oxygadus sp.

Silver Bay Station	445		
Pelican Station	27		

Squalogadus intermedius Grey

Oregon Station	1426		
Silver Bay Station	445		

Steindachneria argentea (Goode and Bean)

Oregon Station	848	1550	1565
	1568	1925	1964
	1983	2203	2652
	2780	2782	2799

Trachonurus sulcatus (Goode and Bean)

Oregon Station	1197	1907	1911
Silver Bay Station	1197		

Ventrifossa atlantica Parr

Oregon Station	1909	1911	1919

BREGMACEROTIDAE

Bregmaceros atlanticus Goode and Bean

Oregon Station	1949	1952	2168
Combat Station	291		

Bregmaceros sp.

Oregon Station	2191		

CARIDAE

Brosmiculus imberbis Vaillant

Silver Bay Station	3076		

Enchelyopus cimbrius (Linnaeus)

Silver Bay Station	217	219	223
	224	458	479
	1552	1606	1607
	1611		
Combat Station	289	300	314
	325	435	471
	475		
Pelican Station	36	38	61

GADIDAE

Gadella maraldi (Risso)

Oregon Station	1010	1011	1016
	1370	1442	1450
	1452	1453	1454
	1460	1502	1505
	1509	1516	1517
	1518	1519	1521
	1524	1525	1526
	1527	1528	1529
	1530	1537	1538
	1539	1540	1548
	1550	1562	1567
	1573	1574	1579
	1580	1872	1915
	1916	1917	2005
	2288	2825	3172
Silver Bay Station	216		
Combat Station	281	291	295
	300	436	
Pelican Station	10	38	

Gadella sp.

Oregon Station	383	795	1423
	1565	1902	1903
	1907	1908	1911
	1913	1915	1917
	1920	1964	2005

Laemonema barbatulum Goode and Bean

Oregon Station	2009		
Silver Bay Station	211	216	218
	223	227	445
	1610		
Combat Station	140	145	183
	218	224	285
	291	293	295
	296	301	306
	312	313	314
	317	319	329
	430	435	436
	439	442	459
	460	462	472
	473	475	
Pelican Station	10	11	13
	27	34	36
	40	49	

Laemonema sp.

Oregon Station	1010	1016	
Pelican Station	29	77	79

Melanonus zugmayeri Norman

Oregon Station	2507	2548	[illegible]
	2945		

Physiculus fulvus Bean

Silver Bay Station	2902	2479	

Physiculus sp.

Oregon Station	1986		

Urophycis chesteri Goode and Bean

Oregon Station	1450		
Silver Bay Station	212	217	
Combat Station	172	293	311
	315	315	
Pelican Station	10	27	

Urophycis floridanus (Bean and Dresel)

Oregon Station	864	1008	1086
	1494	1495	1496
	1497	1499	1500
	1781		
Silver Bay Station	1226	1227	
Combat Station	172	183	289
	317	374	
Pelican Station	2	3	16

GADIDAE (Contd.)

Urophycis regius (Walbaum)

Silver Bay Station
211 212 213
214 222 223
224 225 226
227 228 229
230 457 458
459 460 1269
1275 1279 1282
1283 1342 1498
1636 1694 2064
2067 2068 2498
2539

Combat Station
284 285 288
289 290 291
296 313 314
315 325 330
332 333 334
357 372 383
410 433 435
438 439 441
442 448 453
454 458 462
471 475 484
489 491 530

Pelican Station
36 40

Urophycis tenuis (Mitchill)

Silver Bay Station
3075

Pelican Station
41

MERLUCIIDAE

Merluccius albidus (Mitchill)

Oregon Station
1026 1441 1442
1445 1448 1450
1451 1452 1453
1454 1455 1456
1460 1501 1502
1504 1538 1539
1540 1541 1542
1543 1545 1546
1547 1548 1550
1551 1556 1562
1563 1564 1565
1567 1568 1569
1570 1573 1574
1576 1577 1578
1579 1580 1581
1962 1963 1964
1965 1966 1968
1971 1985

Merluccius albidus (Mitchill)

Silver Bay Station
211 212 213
214 216 217
220 221 224
225 226 227
228 229 230
231 232 233
234 235 249
442 452 457
463 468 469
470 486 1177
1178 1179 1180
1181 1185 1190
1192 1193 1194
1196 1198 1199
1203 1282 1551
1604 1605 1607
1609 1610 1611
1612 1619 1739
2062 2063 2064
2065 2068 2069
2070 2073 2074
2075 2076 2173
2420 2421 2458

Combat Station
177 286 288
289 293 300
301 303 312
314 314 316
319 323 324
325 332 357
410 436
435 438 441
458 462 473
474 475 483
484 491

Pelican Station
9 11 27
37 77

LAMPRIDIDAE

Lampris regius (Bonnaterre)

Oregon Station
1582

BOTHIDAE

Ancylopsetta cycloidea Tyler

Oregon Station
1894 1904 1987
2021 2221 2231
2232 2286 2290

Ancylopsetta dilecta (Goode and Bean)

Oregon Station
602 945 957
2647

Silver Bay Station
154 460 480
1670 2381 2384
2390 2468

Combat Station
384

Ancylopsetta kumperae

Oregon Station
2017 2051 2276
2310 2329

Ancylopsetta quadrocellata Gill

Oregon Station
2862 2885 2890
2898 2909 2910
2926 2933

Silver Bay Station
14 41 656
1210 1212 1213
1226 1227 1228
1231 2137 1238
1240 1241 1247
1250 1259 1270
1273 1286 1348
1353 1385 1390
1391 1393 1498
1523 1553 1726
1754 1900 1922
2158 2525 2578
2579 2593 2898

Bothus lunatus (Linnaeus)

Oregon
Serrana Bank

Silver Bay Station
2451

Bothus ocellatus (Agassiz)

Oregon Station
892 963 1004
1982 1935 1938
1996 2000 2018
2019 2035 2036
2044 2045 2047
2049 2054 2071
2091 2232 2241
2246 2249 2301
2613 2615 2616
2626 2630

Silver Bay Station
117 576 712
1219 1220 1233
1234 1235 1237
1507 1523 1536
1537 1566 1622
1655 1864 1867
2080 2158 2288
2354 2357 2407
2410 2411 2438
2439 2440 2441
2494 2495 2496
2507 2511 2512
2525 2543

Combat Station
353 516 574

George M. Bowers Station
30

Bothus sp.

Silver Bay Station
417 422

Chascanopsetta lugubris Alcock

Oregon Station
1537 1541 1543
1870 1885 2005
2007 2008 2025
2080 2083

Silver Bay Station
479 2457

Combat Station
420

BOTHIDAE (contd.)

Citharichthys arctifrons Goode

Silver Bay Station	211	212	213
	214	216	217
	220	222	223
	224	225	226
	227	228	438
	458	459	466
	469	470	471
	1552	1670	
Combat Station	286	300	458
	475	485	490
	491	493	494

Citharichthys cornutus (Günther)

Oregon Station	1025	1341	1867
	1987	2066	2080
	2622		
Silver Bay Station	458	459	2429
	2430	2464	2467
	2470		
Combat Station	453		

Citharichthys dinoceros (Goode and Bean

Oregon Station	236	1026	1345
Silver Bay Station	2464	2468	2470
	2471		
Combat Station	236		

Citharichthys macrops Dresel

Oregon Station	998		
Silver Bay Station	128	145	148
	152	647	1211
	1238	1239	1273
	1285	1286	1287
	1307	1309	1329
	1338	1345	1348
	1361	1523	1528
	1529	1535	1536
	1553	1554	1564
	1566	1622	1664
	1722	1733	1734
	2183		
Combat Station	516	523	524

Citharichthys spilopterus Günther

Oregon Station	2038		

Citharichthys sp.

Silver Bay Station	1671	2445	2480

Cyclopsetta chittendeni Bean

Oregon Station	2074	2076	2208
	2225	2226	2231
	2238	2310	2898
Silver Bay Station	3	5	12
	281		

Cyclopsetta fimbriata (Goode and Bean)

Oregon Station	1937	1938	2248
	2613	2626	2631
Silver Bay Station	374	712	1237
	1239	1268	1345
	1390	1535	1557
	1568	1734	1811
	2057	2134	2285
	2287	2395	2410
	2439	2470	2507
	2523	2525	2591
	2593	2825	2946

Engyophrys sentus Ginsburg

Oregon Station	1088	2019	2032
	2045	2051	2075
	2249	2250	2251
	2298	2301	2304
Silver Bay Station	2382	2383	2407

BOTHIDAE (contd.)

Engyophrys sp.

Oregon Station	2032	2248	2250
	2301		

Etropus crossotus Jordan and Gilbert

Oregon Station	2310		
Silver Bay Station	241	1286	1287
	1288	1290	1553
	3024		

Etropus microstomus (Gill)

Silver Bay Station	1239	1240	1553
	2721	2892	
Combat Station	383		
Pelican Station	16		

Etropus rimosus Goode and Bean

Silver Bay Station	1227	1228	1238
	1263	1264	1309
	1522	1523	1529
	1553	1566	1733
	2552a	2578	2806
	2913	2923	
Combat Station	337		

Gastropsetta frontalis Bean

Silver Bay Station	1342	2361	2389
	2392	2398	2409
Pelican Station	16		
George M. Bowers Station	35		

Hippoglossina oblonga (Mitchill)

Silver Bay Station	212	214	216
	217	218	223
	463	467	469
	471	486	1279
	1551	1552	1604
	1608	1635	1670
	2190	3082	
Combat Station	401	419	430
	435	441	453
	458	459	471
	490	491	493
	494		
Pelican Station	57		

Monolene antillarum Norman

Oregon Station	1026	1189	1981
	1983	1985	1989
	2203	2285	
Silver Bay Station	2420	3082	3085
	3095		
Combat Station	216	300	319
Pelican Station	13		

Monolene atrimana

Oregon Station	1871	1889	1943
	1945	2081	2082
	2083	2320	

Monolene sessilicauda Goode

Oregon Station	603	696	2799
Silver Bay Station	1201	1671	
Pelican Station	11		

Monolene megalepis Woods

Oregon Station	1879	1867	1889
	2603	2653	2663

Paralichthys albigutta Jordan and Gilbert

Oregon Station	1495	1498	1531
	1533	1535	1536
	1560	1675	1679
	1680	1684	1694
	1695	1700	1701
	1702	1703	1704
	1708	1709	1714
	1716	1717	1726

BOTHIDAE (contd.)

1723 1755 1760
1763 1770 1776
1778 1779

Silver Bay Station 153 154 245
656 1508 1531
2148

Paralichthys dentatus (Linnaeus)

Silver Bay Station 1212 1226 1227
1231 1238 1241
1252 1258 1262
1263 1264 1265
1273 1286 1329
1348 1375 1376
1385 1390 1483
1484 1485 1486
1487 1508 1523
1533 1553 1664
1733 2134 2165
2213 2214 2525

Combat Station 521 523 524

Paralichthys lethostigma Jordan and Gilbert

Oregon Station 1751 1755 1756
1765 1771 1782
2878 2889 2890

Silver Bay Station 110 243 244
1727 1728 2945

Pelican Station 1

105 miles North of Logger Head Key

Paralichthys squamilentus Jordan and Gilbert

Oregon Station 1510 1514 1533
1557 1558 1561
1630 2203 2547
3173

Silver Bay Station 51 106 107
146 155 156
157 175 176
179 222 273
294 300 301
312 316 330
460 722

Pelican Station 4 6

Poecilopsetta albomarginata

Oregon Station 1870 1971 1882
1883 1885 1889
1921 1981 1985
1986 2005 2023
2024 2026 2066
2080 2285 2286
2633 2634 2639
2659 2651 2658
2670

Poecilopsetta beani (Goode)

Oregon Station 1011 1016 1180
3124 1340 1370
1431 1537 1761
1885 1921 1925
2008 2080 2285

Silver Bay Station 1201 2418

Scophthalmus aquosus (Mitchill)

Silver Bay Station 1212 1213 1262
1264 1273 1284
1286 1287 1288
1293 1296 1329
1353 1367 1375
1487 1529 1664
1665 1772 2214
2578 2861 2864
2890 2891 2892
2922

George M. Bowers Station 64

Syacium gunteri Ginsburg

Oregon Station 866 1004 1088
1494 2016 2310
2613 2631

Silver Bay Station 1553 2438 2441

Syacium micrurum Ranzani

Oregon Station 2000 2036 2232
2241 2607 2631

Silver Bay Station 461 2395 2438
[illegible] 2806 2945

ACHIRIDAE

Achirus inscriptus Gosse

Achirus fasciatus

Silver Bay Station 3 41 243
244 648

Silver Bay Station 2467 2470 2480

Gymnachirus texae

Oregon Station 1494 1499 1500

Gymnachirus williamsoni Günter

Oregon Station 1004

Trinectes inscriptus (Gosse)

Oregon Station 2603 2648 2649
2652 2654 2663

Silver Bay Station 2467 2470 2471

Trinectes maculatus (Mitchill)

Oregon Station 3 1654 1675
1680 1685 1686
1687 1690 1694
1703 2215 2876

Trinectes paulistanus

Oregon Station 2056 2057 2058
2212 2226 2215

CYNOGLOSSIDAE

Symphurus diomedianus (Goode and Bean)

Silver Bay Station 1554 1557 2349
2382 2383 2407

Combat Station 353

Symphurus marginatus (Goode and Bean)

Silver Bay Station 469 1611

Symphurus plagiusa (Linnaeus)

Oregon Station 944

Silver Bay Station 1263 1264 1285
1288 1553 1637
1923 2214 2441

Symphurus piger (Goode and Bean)

Silver Bay Station 2464 2468 2470
2477 2479

Syacium papillosum (Linnaeus)

Oregon Station 963 1021 1088
1559 2019 2035
2044 2208 2301

Silver Bay Station 8 152 395
1209 1212 1218
1219 1220 1233
1237 1238 1239
1247 1257 1259
1262 1268 1270
1287 1293 1341
1342 1522 1523
1531 1533 1622
1733 1734 2381
2382 2390 2395
2408 2410 2496
2545 2586 2587
2591 2593 2634
2682 2692 2806
2924

Combat Station 353 480 497
498 506 517
523 524 530

George M. Bowers Station 30

Syacium sp. 2001 2075 2076
2632

Trichopsetta ventralis (Goode and Bean)

Oregon Station 945 1983 1986
1987 2286

Silver Bay Station 2445 2467 2471

Trichopsetta sp.

Oregon Station 2643 2649 2653
2663

CYNOGLOSSIDAE (contd.)

Symphurus urospilus Ginsburg

Silver Bay Station 1622 2441

BERYCIDAE

Beryx splendens Lowe

Oregon Station 1427

POLYMIXIIDAE

Polymixia lowei Günther

Oregon Station 1026 1340 1543
1501 1502 1504
1508 1509 1513
1514 1516 1517
1518 1519 1521
1524 1525 1527
1528 1529 1530
1537 1538 1539
1540 1542 1543
1546 1548 1550
1556 1562 1563
1578 1606 1784
1868 1869 1870
1883 1903 1904
1920 1922 1923
1924 1927 1928
1931 1932 1933
1942 1945 1948
1952 1964 1983
1984 2004 2005
2008 2203 2780
2782 3172

Silver Bay Station 129 216 217
222 232 249
250 317 441
442 487 495
1188 1189 1190
1192 1193 1198
1282 1283 1617
1740 1753 2447
2458 2467 2468
2469 2477

Combat Station 235 291 303
310 330 357
436 438 442
446 453 475
490 491

Polymixia nobilis Lowe

Oregon Station 2008 2639

Silver Bay Station 2483

DIRETMIDAE

Diretmus argenteus Johnson

Oregon Station 1887 1921 1945
1954 2006 2672

Combat Station 312

TRACHICHTHYIDAE

Gephyroberyx darwini (Johnson)

Oregon Station 1904 1925 2654
2655 2663

Gephyroberyx sp.

Silver Bay Station 2479

Hoplostethus mediterraneus (Cuvier)

Oregon Station 599 1342 1370
1489 1565 1569
1871 1883 1884
1885 1904 1949
1963 1964 1965
1968 1969 1984
2351 2644 2780
2782

Silver Bay Station 442 445 451
452 1607 1608
1609 1610 2069
2070 2076 2483

Combat Station 145 301 444
449

Pelican Station 29 43

Paratrachichthys argyrophanus Woods

Oregon Station 2065 2066 2080

[illegible]

Anoplogaster cornutus (Valenciennes)

Oregon Station 1370 1606 2191
2823 2942 2944
2945

Silver Bay Station 465

HOLOCENTRIDAE

Holocentrus ascensionis (Osbeck)

Oregon Station 1616 1623 2054
2062 2065 2071
2086 2087 2244
2245 2249 2261
2262 2285 2308
2315 2607 2617
2618

Silver Bay Station 4 6 7
53 180 185
187 190 191
192 194 195
198 200 201
202 203 205
206 207 208
260 261 266
267 276 279
281 365 438
1032 1101 1120
2451

Combat Station 497

Holocentrus bullisi Woods

Oregon Station 1004 1072 1616
1702 1795 1875
2607 2613 2617
2618 2628

Silver Bay Station 395 1500 1504
1505 1672 2172
2201 2268

Combat Station 353 426 443

Holocentrus coruscus (Poey)

Oregon Serrana Bank

Holocentrus rufus (Walbaum)

Oregon Station 2617 (larvae)
Quinto Sueno Bank

Silver Bay Station 438 501 1534
2451

Holocentrus vexillarius (Poey)

Oregon Serrana Bank

Silver Bay Station 438

Myripristis jacobus Cuvier

Oregon Station 1958 1986 2045
2054 2065 2081
2087 2249 2256
2261 2262 2263
2273 2308 2313
2340 2607 2617
2619

Silver Bay Station 2479 2480

Combat Station 353

Ostichthys trachypomus (Günther)

Oregon Station 1065 1343 1345
1367 1370 1372
1876 1886 2290
2648 2654 2655
2658

Silver Bay Station 1505

Combat Station 236 238

Plectrypops retrospinis (Guichenot)

Silver Bay Station 1393

MELAMPHAIDAE

Melamphaes beani Günther

Oregon Station 2191

Melamphaes megalops Lütken

Oregon Station 1425

Melamphaes sp.

Oregon Station 2574 2944 2945

Scopelogadus mizolepis (Günther)

Oregon Station 2576

Scopeloberyx opisthopterus (Parr)

Oregon Station 2576

ZEIDAE — Cyttopsis roseus (Lowe)

Oregon Station	1320	1321	1324
	1537	1868	1869
	1883	1885	1918
	2636	2639	2651
Silver Bay Station	227	2458	2469
	2475	2482	
Combat Station	293	300	314
	436		

Parazen pacificus Kamohara

Oregon Station	1342	1868	1870
	1883	1902	2644
	2647	2658	
Silver Bay Station	441	2457	

Zenion hololepis (Goode and Bean)

Oregon Station	1324	1340	1341
	1342	1343	1500
	1537	1539	1546
	1868	1869	1872
	1883	1885	1906
	1915	1921	1923
	1984	1989	1991
	2005	2007	2081
	2606	2733	2636
	2639	2644	2647
	2650	2651	2653
	2654	2658	2671
Silver Bay Station	217	441	442
	1189	1190	1191
	1192	1198	2457
	2469		
Combat Station	237	238	279
	319	435	436
	467		
Pelican Station	10	43	57

Zenopsis ocellata (Storer)

Oregon Station	1548	1550	1558
	1882	2799	
Silver Bay Station	176	177	459
	460	1279	1282
	1283	1752	1753
Combat Station	370	488	489
	490		

GRAMMICOLEPIDAE — Grammicolepis brachiusculus Poey

Oregon Station	2782	
Silver Bay Station	2458	3081
Combat Station	442	

Xenolepidichthys dalgleishi Gilchrist

Oregon Station	382	472	484
	1521	1524	1527
	1528	1530	1537
	1539	1550	1555
	2285	2780	2782
Silver Bay Station	442	491	1193
	2070	2076	2458
Combat Station	300	319	475

Xenolepidichthys sp.

Oregon Station	1883	1885	1942
	1945	1951	1952
	1953		

STEPHANOBERYCIDAE — Stephanoberyx monae Gill

Oregon Station	1426	2202

SYNGNATHIDAE — Corythoichthys albirostris Reckel

George M. Bowers Station	235

SYNGNATHIDAE (contd.) — Hippocampus erectus Perry

Silver Bay Station	1554		
George M. Bowers Station	235		

Hippocampus hudsonius Dekay

Oregon Station	1021	1022	
Silver Bay Station	70	1213	1223
	1505	1748	1759
	1774	1795	2201
	2666	2769	2947
Combat Station	321	339	383
	386	427	457
	496		
George M. Bowers Station	49	53	

Hippocampus reidi

Oregon Station	1934	2232	2247

Syngnathus dunckeri Metzelaar

Combat Station	448

Syngnathus elucens Poey

Silver Bay Station	2360

Syngnathus fuscus Storer

Silver Bay Station	1290

Syngnathus louisianae Günther

Silver Bay Station	1310	1487	1498

Syngnathus pelagicus Linnaeus

Oregon Station	2198		
Silver Bay Station	442	470	476
Combat Station	436	438	448
	455	457	459
	474		

Syngnathus springeri Herald

Silver Bay Station	1237	1536	1644
	1772	2945	
Combat Station	(32° 23' N., 78° 51' W.)		
George M. Bowers Station	50		

Syngnathus sp.

Combat Station	158

AULOSTOMIDAE — Aulostomus maculatus Valenciennes

Silver Bay Station	1506

FISTULARIIDAE — Fistularia pectimba Lacépède

Silver Bay Station	1217	1268	1358
	1500	1504	2409

Fistularia tabacaria Linnaeus

Oregon Station	1629	1664	1666
	1671	1735	1875
	2249	2542	2545
	2546		
Silver Bay Station	12	158	159
	185	352	360
	362	391	728
	837	845	848
	1062	1074	1090
	1210	1217	1257
	1507	2078	2083
	2143	2411	2166
Combat Station	200	320	321
	336	336	372
	377	386	

MACRORHAMPHOSIDAE — Macrorhamphosus scolopax (Linnaeus)

Oregon Station	1026	1501	1527
	1556	1784	
Silver Bay Station	175	459	1184
	1200	1280	1283
	1635	1636	1739
	1968	2173	

MACRORHAMPHOSIDAE (contd.)	Combat Station	76	81	370
	Pelican Station	16		
ATHERINIDAE	Allanetta harringtonensis (Goode)			
	Silver Bay Station	410		
	Atherinomorus stipes (Muller and Troschel)			
	Oregon Station	1607	1842	1853
MUGILIDAE	Mugil cephalus Linnaeus			
	Oregon Station	1489	1623	1723
		2150	2588	3027
	Mugil curema Valenciennes			
	Oregon Station	1463	1489	1602
		1606		
	Silver Bay Station	215	455	
	Combat Station	287	299	302
	Mugil sp.			
	Oregon Station	1616	1665	
	Silver Bay Station	2172		
	Pelican Station	20		
SPHYRAENIDAE	Sphyraena barracuda (Walbaum)			
	Oregon Station	1896	1900	2503
		2765	2790	2791
	Silver Bay Station	7	12	161
		163	164	188
		189	191	
	Sphyraena borealis Dekay			
	Oregon Station	2043		
	Silver Bay Station	7	1204	1212
		1241	1262	1284
		1287	1335	1348
	Sphyraena guanchancho Cuvier			
	Oregon Station	2193	2385	
	Silver Bay Station	1245		
	Sphyraena picudilla Poey			
	Silver Bay Station	350	352	360
		566		
POLYNEMIDAE	Polydactylus octonemus (Girard)			
	Oregon Station	1035	1183	1234
		1438	1483	1489
		1602	1605	1669
		1799	2481	2588
		2590	2867	2869
		2878	2904	2967
		2979	2993	3022
		3046	3082	
	Silver Bay Station	9		
	Polydactylus virginicus (Linnaeus)			
	Oregon Station	1477	1863	2032
		2033	2037	2038
		2049	2051	2057
		2073	2208	2213
		2224	2310	2325
ACANTHOCYBIIDAE	Acanthocybium solandri (Cuvier and Valenciennes)			
	Oregon Station	1473	1601	1609
		1610	1612	1615
		1617	1619	1621
		1622	1626	1846
		1862		
CYBIIDAE	Scomberomorus cavalla (Cuvier)			
	Oregon Station	2216	2223	
	Silver Bay Station	163	169	363
		372	374	949
		1008	1009	1211
		1286	1322	

CYBIIDAE (contd.)	Scomberomorus maculatus (Mitchill)			
	Oregon Station	1661	1799	2102
		2125	2151	2156
		2380	2403	2407
		2408	2411	2412
		2420	2448	2482
		2494	2502	2549
		2550	2551	2561
		2565	2564	2580
		2600	2696	2761
		2848	2849	2869
		2875	2877	2878
		2884	2888	2902
		2905	2967	2971
		2972	2974	2984
		2989	2990	2991
		2995	2996	3002
		3004	3007	3015
		3022	3027	3039
		3103	3141	
	Silver Bay Station	153	165	166
		167	168	169
		187	189	190
		191	202	204
		205	208	210
		238	239	240
		303	791	843
		845	846	848
		856	864	891
		940	1005	1006
		1121	1211	1227
		1242	1262	1263
		1284	1285	1286
		1287	1288	1290
		1322	1351	1375
		2438		
	Combat Station	504		
	Scomberomorus regalis (Bloch)			
	Silver Bay Station	849	850	
SCOMBRIDAE	Auxis thazard (Lacépède)			
	Oregon Station	1602	2477	2488
		2526	2743	
	Silver Bay Station	1792		
	Combat Station	287	299	443
SCOMBRIDAE (contd.)	Euthynnus alletteratus (Rafinesque)			
	Oregon Station	2928		
	Silver Bay Station (trolling)	11	19	57
	Katsuwonus pelamis (Linnaeus)			
	Oregon Station	1434	1473	1588
		1590	1592	1594
		1601	1604	1606
		1617	1846	1900
		1901	1977	2768
		2791	2953	
	Sarda sarda (Bloch)			
	Oregon Station	2546		
	Silver Bay Station	1262		
	Scomber colias (Gmelin)			
	Oregon Station	1515	1628	1629
		1655	1656	1658
		1660	1666	1734
		1736	1792	2118
		2119	2120	2158
		2162	2166	2167
		1268	2172	2186
		2188	2193	2291
		2409	2426	2472
		2473	2475	2476
		2477	2479	2481
		2486	2488	2489
		2492	2509	2514
		2551	2860	2861
		2889	2984	3015
		3022	3046	3141
	Silver Bay Station	111	134	163
		179	209	261
		386	398	411
		728	802	803
		816	847	848
		943	974	1120
		1150	1157	1231
		1248	1257	1268
		1273	1291	1391
		1396	1400	1542

SCOMBRIDAE (contd.)

Combat Station 336

Thunnus alalunga

Oregon Station 1430 1432 1434 1977 1978 2764 2765 2766 2769 2785 2791

Thunnus albacares

Oregon Station 1430 1431 1432 1433 1434 1435 1436 1439 1440 1468 1469 1471 1473 1474 1476 1478 1480 1481 1482 1486 1488a 1488b 1490 1491 1493 1582 1584 1586 1588 1590 1592 1594 1595 1596 1598 1599 1601 1603 1604 1606 1609 1610 1612 1613 1615 1617 1619 1621 1622 1626 1845 1846 1847 1862 1898 1899 1901 1975 1976 1977 1978 2765 2766 2768 2769 2783 2785 2786 2790 2791 2796

Thunnus atlanticus (Lesson)

Oregon Station 1582 1588 1590 1592 1598 1601 1603 1604 1610 1615 1621 1622 1624 1845 1898 1899 1901 1959 1976 2791 2953

Silver Bay Station (trolling) 11 19 57

SCOMBRIDAE (contd.)

Thunnus thynnus Storer

Oregon Station 1440 1469 1471 1473 2791 2796

GEMPYLIDAE

Epinnula orientalis americana Grey

Oregon Station 1462 1502 1505 1517 1519 1521 1524 1525 1528 1557 1562 1572 1784 1868 1869 1885 1902 1963 2012 2083 2203 2651 2658

Silver Bay Station 217 443 2458

Combat Station 446

Epinnula orientalis orientalis (Gilchrist and Von Bonde)

Oregon Station 2083 2203 2285

Gempylus serpens Cuvier

Oregon Station 1599 1602 1824

Silver Bay Station 1195

Nealotus tripes Johnson

Silver Bay Station 1181

Nesiarchus nasutus Johnson

Oregon Station 1599

Combat Station 296 316

Promethichthys prometheus (Cuvier and Valenciennes)

Oregon Station 1963 1964 1968 1969 2007 2008 2082 2652

Ruvettus pretiosus Cocco

Oregon Station 1434 1450 2777

GEMPYLIDAE (contd.)

Scombrolabrax heterolepis Roule

Oregon Station 2191 3219

TRICHIURIDAE

Benthodesmus atlanticus Goode and Bean

Oregon Station 2005 2007 2577

Benthodesmus simonyi (Steindachner)

Oregon Station 1952

Benthodesmus tenius (Günther)

Oregon Station 1952 2352

Combat Station 291

Benthodesmus sp.

Oregon Station 1872 1944 2005

Combat Station 444 446

Evoxymetopon taeniatus Poey

Oregon Station 1585 1963 1991 2008 2023

Trichiurus lepturus (Linnaeus)

Oregon Station 1531 1532 1536 1631 1654 1660 1662 1670 1744 1789 1792 2045 2094 2095 2100 2101 2110 2111 2125 2130 2142 2143 2144 2145 2152 2154 2193 2373 2374 2380 2383 2402 2417 2420 2457 2460 2461 2472 2473 2477 2496 2499 2501 2503 2504 2514 2516 2518 2519 2526 2527 2534 2544 2554 2555 2563 2564 2689 2753 2851 2878 2933 2984 3013 3022 3046 3053 3095

Silver Bay Station 3 4 5 6 9 12 44 163 165 167 170 178 181 182 187 188 190 191 192 200 201 203 205 207 208 209 240 241 245 256 257 258 266 273 300 303 789 799 800 843 846 849 856 864 919 940 943 974 1074 1117 1121 1212 1262 1267 1288 1726 2165 2438

Combat Station 504 527

Pelican Station 2 3

ISTIOPHORIDAE

Istiophorus americanus (Cuvier)

Oregon Station 1491 1594 1609 1846 1847 1896 1976 2768 2783

Silver Bay Station 483 2139 2172 2201 2268

Makaira albida (Poey)

Oregon Station 1431 1438 1470 1473 1478 1480 1484 1491 1582 1584 1586 1588 1590 1592 1594 1595 1596 1597

ISTIOPHORIDAE (contd.)

Makaira nigricans Lacépède

Oregon Station 1430 1435 1435
1436 1438 1476
1488a 149[illegible] 1594
1596 1600 1609
1617 1846 1977
1979 2760 2783
2780 2791

Tetrapterus belone Rafinesque

Oregon Station 1454 2764 2768

XIPHIIDAE

Xiphias gladius Linnaeus

Oregon Station 1434 1440 1475
1586 1534 1610
1617 1619 1621
1622

Silver Bay Station 470 487 2201

LUVARIDAE

Luvarus imperialis Rafinesque

Combat Station 400

CORYPHAENIDAE

Coryphaena equisetis Linnaeus

Oregon Station 1489 1497 1604
1605

Silver Bay Station 2130

Combat Station (29° 16'-30° 54' N., 80° 07'-12' W.)

Coryphaena hippurus Linnaeus

Oregon Station 1035 1069 1134
1145 1174 1365
1367 1370 1372
1380 1430 1431
1432 1435 1438
1474 1480 1590
1592 1598 1601
1603 1604 1616
1617 1623 1862
1896 1898 1899
1975 1976 1977
2766 2786 2792

Silver Bay Station 222 396 447
470 471 476
481 483 1217
2201

Combat Station 296 299 328
443

BRAMIDAE

Collybus drachme Snyder

Oregon Station 2191

Pterycombus goodei (Jordan)

Oregon Station 1580

Combat Station 290

STROMATEIDAE

Cubiceps melanus Ginsburg

Oregon Station 1537

Silver Bay Station 216 1279 3081
3082

Combat Station 300 459 475
480 483 484
491

Cubiceps nigriargenteus Ginsburg

Silver Bay Station 179 2173 2724

Combat Station 489

Nomeus gronovii (Gmelin)

Oregon Station 1616 1623

Silver Bay Station 2731

Combat Station 315

Palinurichthys bythites Ginsburg

Oregon Station 1580

Peprilus paru (Linnaeus)

STROMATEIDAE (contd.)

Oregon Station 1[illegible]4 [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible] [illegible] [illegible]
[illegible]

STROMATEIDAE (contd.)

643 1121 1266
1274 1275 1277
1279 1280 1281
1282 1284 1285
1286 1287 1288
1289 1326 1328
1351 1483 1487
1552 1726 1742
1747 1753 1754
2064 2165 2931

Combat Station 96 97 99
167 175 204
341 384 490
491 493 530

Pelican Station 6 9 25
34

George M. Bowers Station 32

Psenes cyanophrys Cuvier

Oregon Station 1076 1356 1380
1489 1590 2198

Silver Bay Station 442 454 470
471 476 481
2201

Combat Station 289 290 315
335 448 458
459 462

Psenes maculatus Lütken

Silver Bay Station 401

Psenes regulus Poey

Oregon Station 1640

Silver Bay Station 388 744 2379
2409 2411 2438
2439

Combat Station 164 509

CARANGIDAE

Alectis ciliaris Bloch

Oregon Station 1630

Silver Bay Station 156 189 850
891 943 1094
1101 1263 1284
1285 1508

Alectis crinitis (Mitchill)

Oregon Station 1370 1630 1663
1670 1787

Silver Bay Station 9 1217 1255
1262 1263 1264
1284 1285 1291
1304 1305 1307
1308 1348 1405
1508 2031 2268

Combat Station 70 (dip net) 328

Caranx bartholomaei Cuvier

Oregon Station 1297 1787
Tortugas, Florida

Silver Bay Station 227 461 471
476 1209 1254
1255 1323 2182
2268

Combat Station 284 296 310
315 451 459

Caranx crysos (Mitchill)

Oregon Station 1076 1119 1145
1174 1183 1307
1313 1356 1363
1365 1367 1370
1372 1374 1380
1582 1585 1586
1587 1589 1590
1591 1593 1600
1635 2198 2634
2857

Silver Bay Station 238 460 470
471 476 481
919 1211 1220
1231 1239 1242
1243 1262 1276
1282 1284 1286
1288 1290 1322
1348 1349 1373
2031 217 2193
2201 226

CARANGIDAE (contd.)

Combat Station 70 (dip net) 82
326 328 336
337 339 343
436 438 443
457 448 458
485

Caranx hippos (Linnaeus)

Oregon Station 1068 1070 1072
1074 1089 1134
1145 1356 1363
1365 1367 1372
1380 1589 1591
1593 1614 1831
1832 1835 2182
2875

Silver Bay Station 158 238 240
243 365 460
470 471 476
483 1285 1286
1287 1294 2268

Combat Station 448 457 459
at anchorage, Port Canaveral, Florida

Caranx latus Agassiz

Oregon Station 1145 1374 1380
1585 1589 1590
1591 1593

Silver Bay Station 362

Combat Station 448

Caranx ruber (Bloch)

Oregon Station 1293 1297 1298
1313 1380 1582
2196 2198 2610
2613

Silver Bay Station 152 442 454
460 461 470
471 476 481
1217 2268

Combat Station 70 (dip net) 82
290 295 315
316 326 328
336 337 343
436 438 448
458 459 462
474 485 490
15 miles South of Mobile Bay

Chloroscombrus chrysurus (Linnaeus)

Oregon Station 1174 1183 1372
1374 1582 1593
2018 2020 2035
2043 2047 2048
2100 2118 2121
2131 2137 2343
2379 2381 2462
2468 2469 2531
2558 2559 2560
2563 2564 2676
2689 2694 2740
2742 2851 2875
2878 2898 2904
2910 2967 2993
3022 3027 3109
3124 3141 3149

Silver Bay Station 166 168 169
238 239 240
241 242 243
244 245 344
350 351 352
362 373 374
845 846 847
848 849 864
880 891 900
914 943 1117
1120 1121 1211
2439

Decapterus macarellus (Cuvier)

Silver Bay Station 1253

Decapterus punctatus (Agassiz)

Oregon Station 1438 1483 1591
1593 1602 1616
1628 1629 1630
1636 1639 1640
1642 1651 1652

CARANGIDAE (contd.)

1725 1734 1736
1786 1788 1790
1791 1792 1802
1803 1866 1997
2119 2120 2121
2136 2137 2160
2167 2177 2178
2279 2283 2293
2244 2375 2379
2380 2381 2382
2386 2402 2448
2459 2463 2467
2469 2472 2492
2493 2496 2497
2501 2502 2503
2504 2505 2514
2517 2518 2521
2522 2523 2525
2526 2527 2531
2532 2533 2535
2536 2543 2545
2546 2553 2558
2559 2741 2800
2860 2861 2890
2910 2926 2928
2933 2979 3000
3013 3015 3022
3039 3053 3056
3078 3103 3109
3114 3124 3141

Silver Bay Station 3 4 5
6 7 9
12 14 108
109 110 111
152 153 160
162 163 164
175 176 178
179 180 181
182 184 187
188 189 190
191 194 195
200 202 204
205 258 260
261 263 266
267 273 274
276 281 303
311 312 330
340 350 351
352 353 380
381 386 391
395 398 411
413 488 708
709 713 715
716 719 722
726 727 744
774 788 799
800 802 803
805 815 816
837 841 842
843 846 848
849 850 856
864 880 891
900 914 916
940 943 970
974 1038 1061
1090 1120 1121
1150 1157 1160
1204 1208 1209
1210 1214 1222
1226 1228 1230
1231 1236 1240
1242 1244 1245
1251 1252 1254
1257 1260 1261
1262 1266 1267
1273 1287 1290
1295 1302 1305
1309 1320 1463
1483 1484 1499
1501 1507 1534
1537 1545 1656
1664 1672 1673
1742 1751 2078
2083 2087 2214
2389 2438 2439
2537 2538

Combat Station 67 158 161
302 333 334
339 492 496
509

Pelican Station 13

Elagatis bipinnulatus (Quoy and Gaimard)

Oregon Station 1899 2728 2786
150 miles South of Mobile Bay

Silver Bay Station 2172 2201

Combat Station caught trolling 7-25-57

CARANGIDAE (contd.)

Hemicaranx amblyrhynchus (Cuvier)

Oregon Station 1593 2875

Oligoplites saurus (Bloch and Schneider)

Oregon Station 1805 2600 2726
2869

Selar crumenophthalmus (Bloch)

Oregon Station 1066 1119 1156
1365 1370 1372
1374 1380 1583
1589 1591 1593
1616 1792 1866
2015 2118 2119
2268 2274 2343
2467 2545 2546
2553 2689 2694
2704 2741 3109

Silver Bay Station 6 7 864
1071 1160 1225
1242 1297 2172

Combat Station 70 (dip net) 82
291 328 336
337 343 443
448 490 492

George M. Bowers Barracuda Key

Selene vomer Linnaeus

Oregon Station 1669 2061 2101
2558 2590 2727
2851 3022

Silver Bay Station 8 110 150
163 165 166
167 181 182
185 189 240
244 258 262
304 351 352
360 362 370
374 843 845
848 849 891
940 943 970
1008 1061 1121
1211 1285 1286
1288 1308 1323
1373 1375 1376

Combat Station 504

Pelican Station 3

Seriola dumerili Risso

Oregon Station 1512 1591 1593
1666 1667 1670
1797 1798 1799

Silver Bay Station 7 108 166
191 192 222
1155 1266 1270
2078

Combat Station 295 296 315
336 (32° 23'N., 78° 57' W.)

Seriola falcata Valenciennes

Silver Bay Station 1218 1271 2201

Combat Station 70 (dip net) 295
457 490

Seriola fasciata (Bloch)

Oregon Station 1585 1587

Combat Station 295 296 315

Seriola lalandi Cuvier and Valenciennes

Silver Bay Station 193 846 1211

Seriola zonata (Mitchill)

Silver Bay Station 388 403 1210
1211 1251 1262
1338 1348 1357
1364 1372 1390
2157 2191

Combat Station 296 315

Trachinotus carolinus (Linnaeus)

Oregon Station 1658 1666 1734
2270 2588 2687
2727 2877 2885
2971 2972 2991
2993

Silver Bay Station 238 296 891
1285 1286

CARANGIDAE (contd.)

Trachinotus cayennensis Cuvier and Valenciennes

Oregon Station 2214 2225

Trachinotus falcatus (Linnaeus)

Tortugas, Florida

Trachurus lathami Nichols

Oregon Station 866 1438 1483
1495 1496 1531
1533 1534 1589
1591 1630 1635
1654 1784 1787
2026 2111 2117
2119 2120 2121
2122 2135 2137
2244 2536 2543
2600 2740

Silver Bay Station 1 5 9
12 161 178
179 260 281
320 322 340
344 350 373
378 393 805
816 856 864
880 891 974
1005 1006 1007
1008 1038 1231
1261 1266 1267
1268 2111 2192

Combat Station 70 (dip net) 315
320 333 339
376 378

Trachurus trachurus (Linnaeus)

Oregon Station 2014

Vomer setapinnis (Mitchill)

Oregon Station 1374 1628 1799
1940 2039 2052
2111 2126 2142
2375 2381 2383
2393 2407 2411
2417 2418 2422
2423 2425 2457
2462 2543 2546
2558 2560 2561
2676 2689 2694
2704 2741 2861
2870 2875 2898
2926 2933 2945
2979 2984 2993
3015 3027 3039
3095 3141 3149

Silver Bay Station 3 7 8
9 10 166
190 191 192
202 204 206
207 208 245
261 267 350
353 362 373
799 800 846
850 856 864
880 891 943
1150 1157 1211
1262 1285 1286
1288 1328 1396

POMATOMIDAE

Pomatomus saltatrix (Linnaeus)

Oregon Station 1671 1804 1805
2050 2115 2391
2408 2413 2697
2731 2873 2964
2995 3082 3141

Silver Bay Station 163 165 166
168 169 201
238 239 846
1211 1212 1213
1249 1251 1262
1284 1285 1286
1287 1288 1289
1290 1313 1322
1351 1397 1402
1562 2165 2187
2193 2214

Combat Station 505 506

RACHYCENTRIDAE

Rachycentron canadus (Linnaeus)

Oregon Station 1651 1656 1666
1735 1785 2123
2194 2439 3109

Silver Bay Station 14 167 919
1160 1285 1287
1288 1364 1538
2083

BATHYCLUPEIDAE

Bathyclupea argentea Goode and Bean

Oregon Station 1872 1886 1888
1906 1908 1909
1915 1917 1918
1933 1945 1952
1954 2009 2352
2635 2777

Silver Bay Station 2458 2483

APOGONIDAE

Apogon alutus (Jordan and Gilbert)

Oregon Station 2263 2649

Silver Bay Station 53

Apogon aurolineatus (Mowbray)

Oregon Station 998 1937 1938
2626

Apogon binotatus (Poey)

Oregon Station 2619 2662

Apogon conklini (Silvester)

Silver Bay Station 438

Apogon maculatus (Poey)

Silver Bay Station 438 1554 1673
1733

Combat Station 353 391

Apogon pigmentaris (Poey)

Oregon Station 1937 1938 2607
2611 2616 2617
2618 2624 2662

Silver Bay Station 2451

Apogon planifrons Longley and Hildebrand

Oregon Station 2655

Apogon pseudomaculatus Longley

Oregon Station 646 717 718
725 897 963
1553 1698 1702
1797 2051 2065
2308 2607 2662
2667

Silver Bay Station 53 2256

Combat Station 161 353 426

Apogon quadrisquamatus Longley

Silver Bay Station 53

Apogon sellicauda

Oregon Station 2606 2607
Serrana Bank

Apogon stellatus (Cope)

Oregon Station 1892 1937 2618

George M. Bowers Station 235

Apogon townsendi (Breder)

Oregon Station 2610 2617

Cheilodipterus affinis Poey

Oregon Station 646 1866 1875
1895 2249 2262
2607 2618 2627
2633 2667

Silver Bay Station 395

Epigonus pandionis (Goode and Bean)

Oregon Station 597 1450 1455
1456 1506 1507
1516 1517 1563
1581 1587 1570
1579 2009 2319
2320 2825

Combat Station 281

APOGONIDAE (contd.)

Pelican Station 13

Synagrops bella (Goode and Bean)

Oregon Station 1321 1341 1442 1448 1450 1454 1455 1456 1460 1502 1504 1505 1506 1508 1516 1517 1518 1519 1521 1524 1525 1526 1527 1528 1529 1530 1537 1538 1539 1540 1543 1548 1556 1562 1563 1564 1565 1567 1568 1569 1570 1573 1574 1577 1579 1581 1761 1868 1875 1883 1885 1886 1920 1923 1924 1926 1931 1932 1942 1943 1944 1946 1961 1962 1964 1969 1971 1981 1989 2004 2007 2009 2021 2025 2319 2635 2650 2651 2673 2775 2780 2782 2799 2825

Silver Bay Station 216 231 249 442 459 1180 1193 1194 1234 1608 1671 1739 2482

Combat Station 74 78 85 105 186 216 284 288 289 300 303 315 357 383 430 433 435 442 454 459 467 471 473 474 475 476 479 480 484 489 490 491

Pelican Station 10 38 41 49

Synagrops pseudomicrolepis Schultz

Oregon Station 1342 1882 1883 2633 2634 2644 2651 2653 2658

Silver Bay Station 441

Synagrops spinosa Schultz

Oregon Station 1761 1870 1885 1902 1921 1981 1983 1985 2004 2005 2203 2285 2319 2780 2799

Silver Bay Station 1283 1740 1742

Combat Station 288 289 290 483 484 491

Synagrops sp.

Oregon Station 1525 1526 1527 1528 1529 1530 1885 1904 2203

Silver Bay Station 211 212 213 214 217 225 226 227 441 442 459 1179

Combat Station 284 286 289 290 300 303 315 319 430 433 435 454 467 471 473 474 475 476 479 480 483 484 489 490 491

Pelican Station 77

APOGONIDAE

Howella Sherborni Norman

Oregon Station 2191

Hypoclydonia bella Goode and Bean

Oregon Station 1579

CENTROPOMIDAE

Centropomus ensiferus Poey

Oregon Station 2210 2211

SERRANIDAE

Albitera scripta

Silver Bay Station 386

Alphestes afer (Bloch)

Silver Bay Station 1218

Anthias asperilinguis Günther

Oregon Station 896 2080 2081

Silver Bay Station 1635 1739 2173

Anthias nicholsi ?

Silver Bay Station 1500

Centropristes melanus Ginsburg

Oregon Station 1720

Combat Station 378 386

Centropristes ocyurus (Jordan and Evermann)

Oregon Station 1494 1495 1530 1532 1536 1554 1639 1670 2890 2926

Silver Bay Station 1 3 4 7 8 12 53 88 91 92 108 109 110 111 158 159 160 161 162 163 164 170 380 460 1215 1218 1219 1220 1231 1233 1247 1268 1270 1299 1342 1348 1393 1498 1500 1504 1506 1550 1553 1563 1634 1638 2155 2157 2166 2391

Combat Station 164 333 334 335 339 341 386 397 406 424 425 426 427 448 489 496

Pelican Station 14

George M. Bowers 32

Centropristes philadelphicus (Linnaeus)

Oregon Station 1496 1499 1500 1532 1533 1534 1535 1536 1642 1800 1944 2925

Silver Bay Station 3 4 6 12 159 281 919 1219 1286 1287 1289 1291 1293 1345 1493 1484 1553 1564 2077

Combat Station 339 370 371 372 392

SERRANIDAE (contd.)

Centropristes striatus (Linnaeus)

Oregon Station	1721	1722	
Silver Bay Station	845	1205	1208
	1209	1210	1211
	1212	1213	1215
	1226	1228	1229
	1233	1238	1239
	1244	1250	1252
	1263	1268	1270
	1273	1290	1291
	1294	1296	1329
	1345	1351	1483
	1485	1506	1508
	1553	1734	2078
	2083	2137	2214
	2223	2507	2525
	2533	2578	2579
Combat Station	68	74	88
	94	97	161
	164	320	371
	372		
Pelican Station	14	39	

Chlorististium sp.

Oregon Station 1345

Dermatolepis inermis (Valenciennes)

Oregon Station 2234

Dinematichthys cayorum

Silver Bay Station 438

Diplectrum arcuarium Ginsburg

Oregon Station 1719 1795

Silver Bay Station 2409 2410 2438

Diplectrum bivittatum (Valenciennes)

Oregon Station	1004	1554	1674
	1866	1873	1938
	1997	2238	2248
	2607	2611	2613
	2618	2621	2622
	2631		
Silver Bay Station	66	350	351
	357		

Diplectrum formosum (Linnaeus)

Oregon Station	1553	1554	1560
	1637	1638	1680
	1719	1757	1764
	1770	1775	1996
	1999	2000	2018
	2020	2032	2035
	2036	2045	2046
	2078	2091	2096
	2234	2250	2327
	2933		
Silver Bay Station	59	92	153
	159	160	161
	162	163	164
	378	381	398
	406	412	712
	713	718	719
	720	726	744
	772	774	788
	841	915	940
	1204	1208	1210
	1212	1213	1215
	1222	1223	1226
	1227	1228	1229
	1230	1231	1237
	1238	1239	1240
	1243	1244	1259
	1266	1270	1271
	1273	1291	1293
	1294	1407	1484
	1507	1522	1523
	1528	1531	1537
	1637	1664	1669
	1738	2133	2188
	2214	2376	2411
	2438	2439	2440
	2441	2525	2578
	2580		
Combat Station	66	67	69
	158	161	321
	335	336	339
	341	424	496
	505	507	
Pelican Station	14	39	
George M. Bowers	235	Eleuthera (our station 526) Hatchet Bay, 3 miles offshore, April 20-May 3, 1960	

SERRANIDAE (contd.)

Diplectrum radiale (Quoy and Gaimard)

Oregon Station	1998	2000	2017
	2018	2032	2034
	2035	2036	2037
	2044	2045	2050
	2078	2207	2208
	2234	2281	2348
Silver Bay Station	59		

Dules sp.

Silver Bay Station 2360 2361 2435

Epinephelus adscensionis (Osbeck)

Oregon Serrana Bank

Silver Bay Station 358

Epinephelus flavolimbatus (Poey)

Oregon Station	2229	2231	2704
Silver Bay Station	301	736	832
	2394	2395	

Epinephelus guttatus (Linnaeus)

Oregon Station 1795 1937

Silver Bay Station 395

Epinephelus itajara (Lichtenstein)

Oregon Station 2448

Silver Bay Station	363	369	749
	1009	1038	

Epinephelus morio (Valenciennes)

Oregon Station	963	1640	1719
	2364	2365	2366
	2453	2466	
Silver Bay Station	108	135	184
	341	342	352
	353	362	364
	365	383	391
	395	398	411
	413	416	417
	437	709	712
	713	714	715
	717	720	722
	723	726	727
	744	745	772
	779	841	847
	849	850	943
	986	1032	1038
	1099	1101	1217
	2437		
	Alacran Reefs		
Combat Station	455		

Epinephelus mystacinus (Poey)

Silver Bay Station 2395

Epinephelus nigritus (Holbrook)

Oregon Station	1303	1512	1515
	1801	1877	2759
Silver Bay Station	9	196	207
	363	749	1150

Epinephelus niveatus (Valenciennes)

Oregon Station	1303		
Silver Bay Station	208	2393	2395
	2407	2408	

Epinephelus striatus (Bloch)

Silver Bay Station	986
George M. Bowers	Eleuthera (our station 526) Hatchet Bay, 3 miles offshore April 20-May 3, 1960
	Alacran Reefs

Hemianthias vivanus (Jordan and Swain)

Oregon Station	1639	1986
Silver Bay Station	2360	2467
Combat Station	90	

SERRANIDAE (contd.)

Hypoplectrus unicolor (Walbaum)

Oregon Station 963

Silver Bay Station 438 740

Liopropoma mowbrayi

Combat Station 235

Mentiperca luciopercana (Poey)

Oregon Station 1875

Mycteroperca bonaci (Poey)

Oregon Station 1512 1515 1639
1721 1722 1724
1725 1769 1796
2448 2709

Silver Bay Station 110 152 153
193 199 370
395 408 413
416 710 713
714 715 716
717 719 720
722 723 726
728 744 745
986 1085 1150
1157 1217 1222
1297 2437

Combat Station 71

Mycteroperca falcata (Poey)

Oregon Station 1512 1795 2185

Silver Bay Station 267 749 776
779 787 802
841 843 845
850 856 900
943 970 986
1006 1008 1009
1038 1061 1090
1099 1101 1157
1207 1208 1217
1218

Mycteroperca interstitialis

Silver Bay Station 408 438

Mycteroperca microlepis (Goode and Bean)

Silver Bay Station 399 413 416
417 437

Mycteroperca phenax Jordan and Swain

Silver Bay Station 343 347 350
353 355 361
364 371 374
397 398 401
416 2533

Mycteroperca venenosa (Linnaeus)

Oregon Station 1494 1512 1515

Silver Bay Station 986 1090

Ocyanthias martinicensis (Guichenot)

Silver Bay Station 2170

Paracentropristes notospilus (Longley)

Oregon Station 2700

Combat Station 90 406 372

Paracentropristes pomospilus Ginsburg

Oregon Station 603 944 1088
1494 1495 1497
1795 1873 1875
1890 1993 2622
2655

Silver Bay Station 12

Paralabrax deweegeri (Metzelaar)

Oregon Station 2278

Paranthias furcifer (Valenciennes)

Oregon Station 329 330 858
2623 2624

Pikea cubensis

Oregon Station 1345 1867 1877
1902

SERRANIDAE (contd.)

Pikea mexicana Schultz

Oregon Station 695 858 864

Pikea mexicana atlantica

Oregon Station 1983 1986 1988
2013 2014 2020
2021 2290 2294

Prionodes jenyns

Oregon Station 1866 1878 1879
2273

Prionodes annularis (Günther)

Oregon Station 2315 2618

Prionodes atrobranchus

Oregon Station 1873 1987 2001
2014 2015 2016
2020 2030 2032
2049 2054 2060
2061 2074 2075
2078 2087 2221
2226 2234 2235
2238 2241 2248
2274 2276 2304
2305 2308 2616
2649 2654 2655

Prionodes baldwini Evermann and Marsh

Oregon Station 1937 2276

Prionodes fusculus

Oregon Station 1874

Prionodes phoebe (Poey)

Oregon Station 892 920 944
1025 1303 1559
1795 1874 1877
1994 1997 2001
2063 2244 2245
2247 2248 2261
2607 2662 2925

Silver Bay Station 340 393 395
401 413 420
437 438 461
709 1120 1207
1233 1393 1500
1505 1534 1672
1742 1751 2145
2170 2357 2389
2390 2434 2467
2470 2476 2535
2790 2798

Combat Station 72 74 75
89 [illegible] 101
165 334 348
353 383 455

Pelican Station 15

Prionodes tabacarius (Cuvier and Valenciennes)

Oregon Station 2607 2618 2624
2630

Silver Bay Station 395 501

Prionodes sp.

Oregon Station 1994 2010 2015
2232

Pronotogrammus aureorubens Longley

Oregon Station 864 1539 1639
1983 1985 1989
2005 2022 2221
2285 2291 2772
2775

Pronotogrammus vivanus (Jordan and Swain)

Oregon Station 1025 1026

Pronotogrammus sp.

Silver Bay Station 1280 1500 1634
1742 2170

SERRANIDAE (contd.)

Rypticus arenatus (Cuvier)

Oregon Station 897 936 1021 2291

Silver Bay Station 1549 1554 2057 2362 2770

Rypticus saponaceus (Bloch and Schneider)

Oregon Station 1531 1536 1795 Serrana Bank

Silver Bay Station 69 73 159 205 1121 1208 1389 1549 2057 2527 2585 2593 20 miles North East of Cay Arenas

Rypticus subbifrenatus (Gill)

Oregon Serrana Bank

Serranus beta

Oregon Station 2622

Serranus campechanus Woods

Oregon Station 1866 1874 2606 2607 2617 2624

Silver Bay Station 392 393 429 435 437 Campeche Banks

Serranus chionaraia

Oregon Station 2667

Serranus pumilio Ginsburg

Oregon Station 1693 2248

Silver Bay Station 59

Combat Station 90

Serranus subligarius (Cope

Oregon Station 1873

Silver Bay Station 53

Serranus tortugarum Longley

Oregon Station 1874 2607 2618 2619 2620 2622 2624 2628 2630 2662

Silver Bay Station 501

PRIACANTHIDAE

Cookeolus boops (Bloch and Schneider)

Silver Bay Station 2172

Priacanthus arenatus Cuvier

Oregon Station 1866 1874 1934 2043 2209 2217 2235 2238 2251 2262 2309 2617 2890

Silver Bay Station 6 7 9 190 342 359 770 799 802 1006 1007 1009 1062 1074 1157 2411

Combat Station 378

George M. Bowers Station 235 Eleuthera (our station 526) Hatchet Bay, 3 miles offshore April 20-May 3, 1960

Pseudopriacanthus altus (Gill)

Oregon Station 963 1022 1639 1647 1705 1786 1790 1796 2607 3015 3039

Silver Bay Station 10 709 1393 1506 2168 2172 2359 2376 2439 2507

Combat Station 72

Pelican Station 15

LOBOTIDAE

Lobotes surinamensis (Bloch)

Oregon Station 1137 1183

Silver Bay Station 2172 87

Combat Station 458 490

LUTJANIDAE

Apsilus dentatus Guichenot

Combat Station 238

Lutjanus analis (Cuvier)

Oregon Station 2607

Silver Bay Station 349 351 352 353 361 362 365 366 368 370 372 374 390 395 845 847 856 880 891 900 915 943 970 1005 1007 1008 1009 1038 1061 1062 1099 1101

Lutjanus apodus (Walbaum)

Oregon Station 2617

Silver Bay Station 664 665 [illegible] 710 715 716 727 [illegible] 744 841 84[illegible] 849 880 896 891 900 916 970 1006

Lutjanus blackfordi Goode and Bean

Oregon Station 295 1494 1511 1512 1515 1554 1628 1629 1630 1631 1636 1639 164[illegible] 1647 1651 1654 1656 1657 1658 1659 1660 1661 1662 1665 1666 1669 1670 1671 1736 1769 1786 1787 1789 1790 1792 1794 1795 1796 1797 1798 1799 1800 1801 1803 2035 2042 2046 2359 2360 2361 2362 2363 2366 2367 2373 2375 2468 2503 2504 2514 2517 2521 2531 2552 2556 2557 2607 2618 2622 2627 2761 2856 2861 2870 2872 2886 2888 2889 2890 2892 2894 2897 2899 2908 2909 2910 2916 2917 2922 2925 2933 2927 2938 2939 2960 2967 2984 3004 3006 3007 3011 3015 3016 3039 3043 3056 3078 3109 3124 3174

Silver Bay Station 1 3 4 5 6 7 8 9 14 110 154 170 176 178 180 181 182 184 185 186 187 188 189 191 192 193 194 195 196 197 198 199 200 201 202 204 205 207 208 209 210 260 261 262 266 267 269 273 274 279 281 296 300 301 303 310 311 312 343 344 347 349 350 352 353 360 361 362 364 365 367 368 370 372 374

LUTJANIDAE (contd.)

381 390 398
401 416 430
708 726 727
788 789 802
803 805 815
816 842 843
845 846 848
849 850 856
864 880 891
900 914 919
940 943 970
974 982 995
1005 1006 1007
1008 1009 1038
1061 1062 1074
1085 1090 1099
1101 1120 1121
1150 1157 1160
1268 1393 2079
2137 2138 2143
2354 2355 2376
2409 2437 2579

Combat Station 64 349

Lutjanus buccanella (Cuvier)

Oregon Station 2607 2617 2618
2622 2623

Silver Bay Station 395 435

Lutjanus cyanopterus (Cuvier)

Silver Bay Station 368

Lutjanus griseus (Linnaeus)

Silver Bay Station 346 361 362
374 438 715
943 970 974
1008 1096 2140
2143

Lutjanus mahogoni (Valenciennes)

Oregon Station 2278

Silver Bay Station 2717

Lutjanus synagris (Linnaeus)

Oregon Station 713 1628 1642
1669 1725 1800
1934 1935 1936
1937 1938 2037
2613 2901

Silver Bay Station 1 59 70
110 168 343
350 351 352
353 361 362
364 365 366
368 370 372
374 380 411
413 500 501
713 726 727
728 744 745
841 842 843
845 846 848
849 850 856
880 891 900
914 940 943
1005 1006 1007
1008 1009 1038
1061 1062 1085
1090 1099 1101
1157 2137 2410
2411 2437 2438
2439 2441

Lutjanus vivanus (Cuvier)

Oregon Station 1997 2001 2017
2018 2033 2034

Silver Bay Station 437 847 1147
1207 2159 2432

Ocyurus chrysurus (Bloch)

Oregon Station 1937 2185 2355
2466

Silver Bay Station 342 343 365
366 370 381
386 708 728
841 880 900
916 943 986
2140 2437

LUTJANIDAE (contd.)

Pristipomoides andersoni Ginsburg

Oregon Station 423 1303 1864
1867 1995 2203
2274 2288 2704

Silver Bay Station 46 351 359
380 401 433
435 461 1268
1359 1500 1672
1692 1738 2390

Pristipomoides macrophthalmus (Müller and Troschel)

Oregon Station 2 1988 1994
2001 2018 2032

Silver Bay Station 2470 2472 2479

Combat Station 236 238

Rhomboplites aurorubens (Cuvier)

Oregon Station 412 944 1494
1512 1629 1631
1636 1642 1658
1659 1660 1663
1702 1724 1725
1787 1788 1792
1866 1875 1997
1999 2003 2032
2035 2036 2042
2366 2448 2454
2468 2616 2703
2803 2847 2850
2889 2926 2980
2985 3011

Silver Bay Station 4 5 6
7 8 9
10 11 108
110 111 163
164 175 184
185 187 191
192 193 194
195 196 198
199 200 205
208 209 266
267 274 279
341 344 350
352 353 359
360 361 362
366 368 372
374 381 383
390 391 393
395 398 401
411 413 416
708 709 711
713 715 716
718 719 720
725 726 727
728 744 745
772 774 776
779 789 802
803 805 816
837 841 842
845 846 849
850 856 880
891 900 916
917 997 1005
1006 1007 1008
1009 1038 1150
1157 1160 1204
1205 1208 1209
1210 1216 1217
1218 1220 1221
1222 1223 1224
1225 1228 1231
1233 1235 1273
1295 1296 1297
1320 1345 1360
1361 1506 1507
1534 1537 1548
1672 1733 1751
2078 2080 2083
2137 2138 2140
2143 2360 2438
2439 2525 2533
2537 2538

Combat Station 64 71 161
167 200 201
333 334 335
348 353 381
406 426 427
428 497 511
519

Pelican Station 16 32

POMADASIDAE

Anisotremus virginicus (Linnaeus)

Oregon Station 713 2466

Silver Bay Station 365 2717

Bathystoma aurolineatum (Cuvier)

Oregon Station 1004 1782 1787
1866 2225 2311

Silver Bay Station 352 501 709
1101 1204 1207
1208 1209 1210
1211 1213 1216
1217 1218 1221
1222 1223 1225
1226 1227 1228
1230 1235 1294
1296 1338 1341
1348 1361 1500
1505 1534 1655
1661 1669 1692
1733 1734 2078
2083 2170 2223
2451

Combat Station 324 333 334
335 347 425
428

Bathystoma rimator (Jordan and Swain)

Oregon Station 1004 1997 2035
2264 2289

Silver Bay Station 9 10 341
350 368 381
943 986 1079
1507 2080 2137
2140 2143 2354
2376 2438 2441
2525 2533 2537

Combat Station 69

Bathystoma striatum (Linnaeus)

Oregon Station 2043

Silver Bay Station 11 341 352
401 406 412
413 435 1534

Conodon nobilis (Linnaeus)

Oregon Station 2037 2278

Silver Bay Station 500

Genyatremus luteus (Bloch)

Oregon Station 2215

Haemulon flavolineatum (Desmarest)

Silver Bay Station 501

Haemulon melanurum (Linnaeus)

Oregon Station 2355

Haemulon plumieri (Lacépède)

Oregon Station 930 1553 1554
1627 1674 1675
1676 1682 1686
1698 1702 1703
1705 1707 1716
1721 1725 1736
1738 1750 1787

Silver Bay Station 71 342 411
842 843 1098
1204 1205 1207
1208 1209 1211
1216 1217 1221
1222 1348 1405
1507 1534 1772
2223 2439

George M. Bowers Station 235
Eleutha (our station 562)
Hatchet Bay, 2 miles offshore
April 20-May 3, 1960

Haemulon sciurus (Shaw)

Silver Bay Station 501 986

POMADASIDAE (contd.)

Orthopristis chalceus (Günther)

Oregon Station 2225

Orthopristis chrysopterus (Linnaeus)

Silver Bay Station 1 6 125
128 143 166
167 303 320
1204 1213 1226
1227 1240 1254
1255 1262 1263
1264 1273 1285
1286 1289 1373
1483 1486 1498
1501 1731 2537

Orthopristis ruber

Oregon Station 2043

Pomadasys coruinaeformis

Oregon Station 2076

SPARIDAE

Archosargus probatocephalus (Walbaum)

Silver Bay Station 319 722 2143
2718

Calamus arctifrons Goode and Bean

Oregon Station 295 706 1795

Calamus bajonado (Bloch and Schneider)

Combat Station 426

Calamus calamus (Valenciennes)

Silver Bay Station 341 342

Calamus proridens Jordan and Gilbert

Oregon Station 725 901

Diplodus holbrooki (Bean)

Silver Bay Station 1507 2162 2163
2261 2262 2433

Lagodon rhomboides (Linnaeus)

Oregon Station 1495 1627 1628
1638 1640 1642
1647 1652 1654
1660 1662 1663
1669 1670 1671
1680 1724 1725
1784 1787 1791
1792 1800 1801
2193 2205 2206
2375 2386 2397
2398 2411 2417
2421 2422 2423
2439 2440 2441
2444 2445 2448
2453 2522 2534
2555 2556 2560
2561 2682 2726
2811 2898 2926
2984 3015 3027
3066 3114 3124

Silver Bay Station 1 3 5
6 7 8
9 10 12
14 71 110
152 153 160
161 162 166
167 168 185
188 189 195
208 209 256
303 304 312
320 350 352
362 368 393
398 401 411
413 416 461
580 682 711
715 716 719
720 725 726
728 744 800
803 805 816
841 842 845
849 880 915
916 940 943
1062 1121 1204
1205 1207 1210
1211 1212 1213
1214 1216 1217
1218 1220 1221
1226 1227 1229
1231 1240 1249

SPARIDAE (contd.)

1251 1254 1256
1262 1266 1272
1284 1285 1286
1287 1288 1289
1291 1324 1345
1348 1351 1396
1397 1665 1734
1738 2165 2409
2410 2441

Combat Station 68 69 99
161 167 168
200 203 339
374 424 425
505

Pagrus pagrus (Linnaeus)

Silver Bay Station 426 496 1506
2163

Pagrus sedecim Ginsburg

Oregon Station 729 730 944
1638 1797 1799

Silver Bay Station 5 6 9
108 110 111
152 158 159
176 177 180
181 182 185
187 281 501
1297 2140 2143
2537 2538

Combat Station 386

Stenotomus aculeatus ?

Combat Station 158 424

Stenotomus caprinus Bean

Oregon Station 1494 1495 1496
1497 1499 1500
1531 1532 1533
1534 1535 1536
1627 1628 1629
1630 1631 1636
1637 1638 1640
1642 1647 1654
1656 1657 1658
1659 1660 1661
1662 1663 1664
1666 1668 1669
1670 1671 1701
1702 1703 1715
1719 1721 1725
1726 1727 1734
1735 1736 1757
1759 1760 1762
1763 1764 1765
1770 1771 1773
1774 1775 1785
1786 1787 1788
1789 1791 1792
1796 1797 1798
1799 1800 1801
1802 1803 2111
2514 2517 2518
2522 2531 2534
2535 2536 2537
2556 2557 2704
2740 2800 2803
2854 2860 2890
2898 2910 2925
2926 2933 2955
2960 2967 2979
3013 3022 3046
3063 3056 3066
3103 3109 3114
3124 3174

Silver Bay Station 1 3 4
5 6 7
8 9 10
12 14 44
110 111 158
159 160 161
162 164 168
170 178 184
188 189 190
191 192 194
195 196 199
200 201 202
203 204 205
206 207 208
209 210 258
260 261 262
263 266 267
273 274 276
279 281 296
300 301 302
303 310 311
312 319 330

SPARIDAE (contd.)

344 350 351
352 361 362
364 365 366
374 709 717
799 800 841
843 845 848
850 864 880
891 914 916
919 929 940
943 1038 1061
1062 1117 1121
1345

Combat Station 348 378

Stenotomus chrysops (Linnaeus)

Oregon Station 2928

Silver Bay Station 1204 1240 1243
1247 1249 1252
1254 1256 1257
1260 1266 1267
1284 1285 1375
1507 2162 2163

Pelican Station 39

KYPHOSIDAE Kyphosus incisor (Cuvier)

Silver Bay Station 227 447 1372
1620 2201

Combat Station 336 337 448
458 459 462
485 490

Kyphosus sectatrix (Linnaeus)

Silver Bay Station 1388 1390

Combat Station 336

Kyphosus sp.

Combat Station 336 448

EMMELICHTHYIDAE Emmelichthyops atlanticus Schultz

Oregon Station 1874 2623 2624

Silver Bay Station 435

GERRIDAE Diapterus rhombeus (Cuvier)

Oregon Station 2223 2225

Eucinostomus argenteus Baird and Girard

Oregon Station 930

Silver Bay Station 44 1484 1553
2376 2410 2438

Combat Station 320

Eucinostomus gula (Cuvier and Valenciennes)

Oregon Station 2036 2343

Silver Bay Station 344 350 943
974 1062 1095
1096 1212 1396

Eucinostomus pseudogula Poey

Silver Bay Station 501

MULLIDAE Mulloidichthys martinicus (Cuvier)

Oregon Station 1477
Serrana Bank

Silver Bay Station 3 5 6
7 8 12
1005 1007

Mulloidichthys sp.

Silver Bay Station 384

Mullus argentinae

Oregon Station 1985 2003

Pseudupeneus maculatus (Bloch)

Oregon Station 1342 1496 1500
1510 1511 1514
1531 1535 1652

MULLIDAE (contd.)

Silver Bay Station 3 7 9
12 108 154
155 175 178
180 182 184
185 187 189
190 191 192
194 195 196
198 199 200
202 203 204
205 206 207
208 210 258
260 261 262
266 281 438
460 501 709
728 841 843
846 849 856
940 974 1038
1062 1120 1150
1204 1214 1216
1299 1534 1549
1553 1742

Pelican Station 7 21 22

Upeneus auratus Jordan and Gilbert

Oregon Station 1020 1554 1605
2166 2611 2627

Silver Bay Station 5 6 7
12 178 709
1345 1349 1354
1358 1359 1361
1364 1508 1621
1673 1692 1733
1734 1742 1754
2161 2174 2223
2256 2409

Combat Station 424 428

Pelican Station 16

Upeneus parvus Poey

Oregon Station 866 1088 1792
1795 1799 1877
1993 1998 1999
2000 2001 2015
2016 2020 2032
2034 2036 2041
2043 2071 2073
2075 2091 2217
2221 2241 2274
2304 2611 2627

Silver Bay Station 281 344 352
1268

Pelican Station 16

SCIAENIDAE

Bairdiella chrysura (Lacépède)

Oregon Station 2154

Silver Bay Station 1397 1747

Cynoscion arenarius Ginsburg

Oregon Station 1497 2203

Silver Bay Station 1 3 4
165 169 170

Cynoscion jamaicensis (Vaillant and Bocourt)

Oregon Station 2043

Cynoscion nebulosus (Cuvier)

Oregon Station 2700

Silver Bay Station 1285

Pelican Station 8

Cynoscion nothus (Holbrook)

Oregon Station 1494 1531 1533
1536 1642 1649
1651 1655 1656
1660 1661 1662
1664 1666 1734
1737 1784 2143
2514 2878 2904
2967

Silver Bay Station 1284 1486

Cynoscion regalis (Bloch and Schneider)

Oregon Station 2463 2504 2524
2527 2866 3082
3149

SCIAENIDAE (contd.)

Silver Bay Station 238 239 240
241 245 246
1120 1211 1212
1250 1258 1285
1328 1329 1397
1485 1486 1487
1747 2165 2187
2213 2214 2578

Combat Station 377

Pelican Station 3

Equetus acuminatus Bloch and Schneider

Oregon Station 892 1494 1795
2289 2315

Silver Bay Station 73 354 1216
1221 1233 1268
1329 1348 1393
1405 1500 1505
1506 1731 1734
2585

Combat Station 161 333 348
353 426 497

Equetus lanceolatus (Linnaeus)

Oregon Station 1022 1554 1692
1693 1698 1724
1796 1798 1937
1938 1999 2244
2248 2249 2256
2257 2262 2273
2607 2615

Silver Bay Station 53 110 341
386 406 411
848 1208 1218
1345 1360 1506
1526 1534 1738
2078 2079 2080
2083 2133 2137
2140 2143 2438
2441 2533

Combat Station 71 347 348
426

Equetus sp. nov.

Oregon Station 2924

Silver Bay Station 709 1505

Larimus fasciatus Holbrook

Silver Bay Station 3 4 919
1212 1213 1310
1351 1377 1726
2165

Pelican Station 14

Leiostomus xanthurus Lacépède

Oregon Station 1533 1536 1627
1629 1630 1636
1637 1640 1642
1647 1651 1654
1662 1666 1668
1670 1671 1679
1700 1703 1716
1717 1734 1787
2093 2096 2101
2114 2125 2153
2375 2385 2388
2397 2463 2496
2498 2499 2531
2534 2535 2536
2537 2543 2545
2554 2555 2556
2557 2558 2561
2562 2563 2564
2701 2702 2704
2851 2878 2910
2926 2933 2955
3013 3027 3053
3066 3082 3095
3104 3124 3141
3174

Silver Bay Station 3 9 12
110 159 160
161 163 165
166 167 168
169 170 239
240 241 242
243 244 245
246 256 296
300 305 319

SCIAENIDAE (contd.)

330 460 498
919 929 1212
1213 1241 1242
1243 1249 1250
1262 1263 1284
1285 1286 1287
1288 1289 1290
1313 1351 1376
1382 1486 1552
1726 1742 1753
1754 2165 2578
2579

Combat Station 159 339 344
448 490 504
527 530

Pelican Station 8 14

Lonchiurus lanceolatus Bloch

Oregon Station 2056

Menticirrhus americanus (Linnaeus)

Oregon Station 1532 1627 1649
1651 1717 2101
2142 2375 2380
2381 2425 2426
2461 2492 2493
2494 2495 2496
2498 2499 2502
2504 2532 2554
2558 2560 2561
2562 2878 2904
2910 2933 2967
2993 3027 3053
3066 3078 3103
3124 3149

Silver Bay Station 144 170 258
718 1212 1322
1377 1529

Menticirrhus focaliger Ginsburg

Oregon Station 1784

Menticirrhus litteralis

Silver Bay Station 1212

Menticirrhus martinicensis (Cuvier and Valenciennes)

Oregon Station 2325

Menticirrhus saxatalis (Bloch and Schneider)

Oregon Station 1651

Silver Bay Station 238 239 241
242 243 244
245 1212 1654
2553

Micropogon furnieri (Desmarest)

Oregon Station 2016 2037 2049
2058

Micropogon undulatus (Linnaeus)

Oregon Station 1495 1496 1497
1499 1531 1533
1534 1536 1627
1628 1629 1630
1631 1636 1637
1640 1642 1647
1649 1651 1652
1654 1655 1656
1657 1660 1661
1662 1663 1664
1666 1667 1668
1669 1670 1681
1684 1686 1689
1696 1711 1712
1714 1716 1717
1724 1727 1731
1734 1736 1737
1738 1745 1749
1751 1757 1758
1759 1763 1771
1802 1803 2093
2094 2096 2097
2098 2101 2111
2117 2118 2122
2125 2127 2130
2373 2375 2377
2380 2381 2383
2384 2385 2388
2389 2393 2394
2395 2397 2398
2408 2409 2411
2412 2416 2417

SCIAENIDAE (contd.)

2418 2420 2422
2458 2459 2460
2461 2462 2463
2494 2499 2501
2502 2503 2514
2517 2518 2524
2531 2532 2533
2534 2535 2536
2537 2544 2546
2554 2555 2556
2557 2558 2561
2590 2676 2687
2701 2702 2704
2712 2800 2803
2851 2853 2869
2878 2898 2904
2910 2926 2933
2955 2960 2967
2979 2984 2993
3022 3027 3046
3056 3078 3082
3095 3103 3109
3114 3124 3138
3141 3149 3174

Silver Bay Station 1 3 4
9 10 14
111 144 160
163 164 165
166 167 168
169 170 178
180 187 188
189 190 191
195 202 203
207 210 238
239 240 241
242 243 244
245 246 273
296 300 301
303 304 319
330 361 567
679 789 798
843 845 846
919 929 1120
1205 1211 1212
1213 1240 1241
1249 1250 1258
1262 1273 1284
1285 1286 1287
1288 1289 1290
1298 1313 1345
1351 1483 1485
1487 1664 1754
2165 2440

Combat Station 158 344 345
377 490 504
506 507

Pelican Station 3 8 14

Nebris microps Cuvier and Valenciennes

Oregon Station 2058

Ophioscion sp.

Oregon Station 2325

Paralonchurus brasiliensis

Oregon Station 2058 2059 2076

Pogonias cromis (Linnaeus)

Oregon Station 2420 2495 2496

Silver Bay Station 240 243 256
257 816 1216
1486

Sagenichthys macrodon (Bloch and Schneider)

Oregon Station 2038 2055 2056
2058 2059 2074
2076

Sciaenops ocellata (Linnaeus)

Oregon Station 1784 2397 2420

Silver Bay Station 168 1487

Stellifer rastrifer Jordan and Eigenmann

Oregon Station 2058 2074

Stellifer microps Steindachner

Oregon Station 2058 2059

Stellifer lanceolatus (Holbrook)

Oregon Station 2211 2875 2876
2878

Silver Bay Station 1375

SCIAENIDAE (contd.)

Umbrina gracilicirrhus Metzelaar

Oregon Station 2226

BRANCHIOSTEGIDAE

Malacanthus plumieri (Block)

Oregon Station 220 1046 2607
2611 2622 2630

Silver Bay Station 301

Caulolatilus sp.

Oregon Station 2229 2230 2259
2288 2294 3059

Silver Bay Station 2930

Lopholatilus chamaeleonticeps (Goode and Bean)

Oregon Station 1784

Silver Bay Station 196

CAPROIDAE

Antigonia capros Lowe

Oregon Station 156 273 277
278 603 732
864 920 945
1026 1343 1514
1517 1537 1538
1539 1541 1867
1868 1869 1870
1879 1882 1883
1902 1923 1925
1928 1929 1932
1954 1964 1986
2286 2289 2291
2356 2606 2643
2649

Silver Bay Station 154 179 1393
1635 1739 1740
1742 2174 2390
2416 2464

Combat Station 235 370 384
457 trawl

Antigonia combatia Berry and Rathjen

Oregon Station 32 1026 1343
1868 1882 1902
1983 1986 1987
2013 2066 2083
2285 2286 2291
2356 2606 2627
2633 2643 2647
2648 2651 2655
2658

Silver Bay Station 2416 2467 2470

Combat Station 259 370 457

EPHIPPIDAE

Chaetodipterus faber (Broussonet)

Oregon Station 1496 1627 1630
1639 1654 1656
1657 1659 1660
1661 1663 1664
1668 1673 1726
1735 1738 1757
1758 1789 1790
1791 2373 2495
2496 2499 2501
2504 2561 2564
2561 2564 2867
2869 2875 2878
2881 2904 2933
2960 2979 2984
2993 3022 3027
3046 3078 3082
3095 3103 3109
3124

Silver Bay Station 152 187 209
210 238 240
241 245 258
266 303 798
799 837 848
919 1007 1120
1207 1211 1226
1227 1251 1255
1262 1273 1287
1288 1291 1305
1309 1311 1313
1345 1501 1537
1562 1622 1661
1734 2222 2223
2440 2579

EPHIPPIDAE (contd.)

Combat Station 513

CHAETODONTIDAE

Centropyge argi Woods and Kanazawa

Oregon Station 2618

Chaetodon aya Jordan

Oregon Station 916

Silver Bay Station 437 1393 1500
1505 2170 2369
2390 2527 2533
2538 2721

Combat Station 72 90 384

Pelican Station 12

Chaetodon capistratus Linnaeus

Oregon Station 1938

Silver Bay Station 845 891

Chaetodon guyanensis Durand

Oregon Station 2655

Chaetodon ocellatus Bloch

Oregon Station 963 967 1647
1795 1938 2060
2061 2262 2265
2273 2276 2315
2453

Silver Bay Station 9 10 11
209 210 342
366 381 501
841 856 1208
1209 1216 1217
1224 1296 1323
1325 1360 1364
1506 1734 1738
2533 2537 2717

Chaetodon sedentarius Poey

Oregon Station 892 961 1004
1647 1795 1998
1999 2034 2049
2051 2054 2057
2062 2071 2078
2085 2087 2249
2250 2257 2259
2273 2305 2308
2311 2315 2607
2617 2662 2667

Silver Bay Station 366 390 406
437 500 501
1207 1217 1233
1234 1268 1297
1360 1506 1534
1734 1738 2533
2537 2538 2543

Combat Station 353 426

Chaetodon striatus Linnaeus

Oregon Station 2311 2618 2628

Silver Bay Station 110 1007 1208
1508 3000

Holocanthus bermudensis (Goode)

Oregon Station 1647 1795

Silver Bay Station 342 366 416

Holocanthus ciliaris (Linnaeus)

Silver Bay Station 9 160 206
438 1009

Holocanthus isabelita (Jordan and Rutter)

Oregon Station 1647 1692 1795

Silver Bay Station 1217 1218 1360
1506 1526 2140
2262

Combat Station 40 347 353

CHAETODONTIDAE (contd.)

Pomacanthus arcuatus (Linnaeus)

Oregon Station 1892 2262

Silver Bay Station 847 856 891
915 916 1038
2999

Pomacanthus aureus (Bloch)

Oregon Station 1865 1937 1938
2262 2250 2630

Silver Bay Station 10 501 386

Pomacanthus paru (Bloch)

Silver Bay Station 726 847 916
1008 1101 1534
2359 2999 3000

Prognathodes aculeatus (Poey)

Oregon Station 2607 2617 2624
2628 2632

ACANTHURIDAE

Acanthurus bahianus Castelnau

Oregon Serrana Bank

Silver Bay Station 438

Acanthurus chirurgus (Bloch)

Silver Bay Station 1506 1508

Acanthurus caeruleus Bloch and Schneider

Oregon Serrana Bank

Silver Bay Station 438

Acanthurus hepatus (Linnaeus)

Oregon Station 2087

Acanthurus randalli Briggs and Caldwell

Oregon Serrana Bank

SCORPAENIDAE

Ectreposebastes sp.

Oregon Station 1940

Helicolenus dactylopterus (De la Roche)

Oregon Station 1450

Silver Bay Station 216 217 218
226 228 475
1280 1610 1611
3076 3081 3082

Combat Station 171 201 289
290 291 294
319 410 435
436 441 462
463 467 476

Pelican Station 13 16 27
34 37 41
43

Helicolenus dactylopterus maderensis (Goode and Bean)

Oregon Station 2670 2671 2672
2673 2674

Silver Bay Station 216 218 226
475 1609

Combat Station 183 289 290
291 294 319
365 435 436
441 462 463
467 476

Scomerinthe beanorum (Evermann and Marsh)

Oregon Station 1343 1868 1877
1894 1902 1903
1904 2603 2649
2653 2658

Silver Bay Station 2462 2471 2472

Combat Station 448

Scomerinthe pollux (Poey)

Silver Bay Station 127 157 461
1283

SCORPAENIDAE (contd.)

Pontinus castor Poey

Oregon Station 2607

Pontinus longispinus Goode and Bean

Oregon Station 604 864 1878
1981 1983 1984
1985 1986 1989
2004 2005 2012
2013 2021 2022
2083 2203 2285
2286 2799

Silver Bay Station 459 2467 2470
2428

Pelican Station 61

Pontinus macrolepis (Goode and Bean)

Silver Bay Station 2479

Combat Station 236

Pontinus rathbuni Goode and Bean

Oregon Station 1985 1986 1990
1993 2004 2005
2014 2021 2065
2080 2081 2083
2627 2665

Silver Bay Station 1280 1500 1505
1635 2902

Scorpaena agassizi Goode and Bean

Oregon Station 917 944 1004
1025 1303 1879
2345

Silver Bay Station 437 438 2170
2382 2487

Combat Station 164 385 457

Scorpaena bergi Evermann and Marsh

Silver Bay Station 1218 1220

Scorpaena brasiliensis Cuvier

Oregon Station 890 892 897
901 916 936
1719 1866 1934
1935 1937 1938
2043 2044 2058
2059 2208 2231
2241 2244 2253
2308 2310

Silver Bay Station 60 301 380
406 449 499
581 1348 1526
1545 1553 2155
2633

Combat Station 161 320 335
370

Scorpaena calcarata Goode and Bean

Oregon Station 963 1554 1938
2035 2045 2075
2250 2308 2667

Silver Bay Station 8 222 352
358 395 915
1219 1220 1226
1227 1238 1268
1291 1298 1299
1484 1485 1504
1525 1553 1562
1563 1564 1629
2183 2435 2633

Combat Station 316 333 335
339 353 396
397 427 428
455 497

Pelican Station 34

Scorpaena dispar Longley and Hildebrand

Oregon Station 2065 2631

Silver Bay Station 281 1534 2360

Scorpaena granicornis Cuvier and Valenciennes

Oregon Station 1416

SCORPAENIDAE (contd.)

Scorpaena inermis Cuvier

Oregon Station	1892	1938	2616
	2630	2631	
Silver Bay Station	59	2451	
George M. Bowers Station	50		

Scorpaena plumieri Bloch

Oregon Station	2348		
Silver Bay Station	438	2361	

Setarches parmatus Goode

Oregon Station	1010	1011	1342
	1450	1455	1502
	1505	1526	1527
	1537	1538	1539
	1543	1547	1548
	1562	1563	1564
	1568	1569	1570
	1573	1579	1761
	1870	1883	1885
	1889	1903	1920
	1921	1923	1924
	1925	1926	1933
	1939	1943	1951
	1952	1992	2005
	2007	2008	2080
	2083	2285	2319
	2604	2639	2651
	2673	2780	2825
Silver Bay Station	212	213	214
	217	218	220
	223	224	225
	226	227	234
	442	458	479
	1179	1180	1192
	1198	1199	1608
	1609	2075	2464
	2482	3081	3082
Combat Station	82	90	229
	238	289	300
	302	317	324
	325	331	410
	436	441	453
	468	474	475
	479	484	491
Pelican Station	13		

Trachyscorpia cristulata (Goode and Bean)

Oregon Station	2670	2674	
Silver Bay Station	217	228	475
	716		
Combat Station	316	319	324
	433	435	436
	462	463	468
	472	482	488
Pelican Station	29	40	77

PERISTEDIIDAE

Peristedion gracile Goode and Bean

Oregon Station	1451	1452	1456
	1504	1508	1516
	1517	1521	1524
	1525	1527	1528
	1537	1538	1539
	1540	1541	1542
	1543	1546	1547
	1548	1550	1551
	1556	1562	1563
	1564	1565	1567
	1568	1570	1573
	1577	1578	1579
	1961	1962	1971
	1972	1983	1986
	2005	2023	2650
	2651		
Silver Bay Station	51	155	156
	157		
Combat Station	82	436	441
	444		
Pelican Station	9	10	11
	13	20	

PERISTEDIIDAE (contd.)

Peristedion imberbe (Poey)

Oregon Station	603	2289	2775
	2782		
Silver Bay Station	435	1635	

Peristedion longispathum (Goode and Bean)

Oregon Station	1011	1016	1321
	1345	1568	1581
	2353	2775	2777
	2779		
Silver Bay Station	211	218	220
	221	226	227
	228	1607	1608
Combat Station	186	238	288
	291	295	296
	300	307	310
	312	313	314
	317	322	323
	324	325	331
	332	430	431
	433	434	435
	436	438	441
	442	453	460
	473	475	476
	479	484	
Pelican Station	10	11	13
	20	27	29
	37	38	57
	77		

Peristedion miniatum Good

Oregon Station	1016	1441	1455
	1456	1508	1509
	1514	1519	1524
	1526	1527	1537
	1538	1539	1546
	1548	1556	1557
	1561	1563	1961
	1962	1963	1968
	2775		
Silver Bay Station	154	155	156
	1184		
Combat Station	78		
Pelican Station	16		

Peristedion platycephalum (Goode and Bean)

Oregon Station	2035		
Silver Bay Station	221		
Combat Station	445		

Peristedion spiniger Longley and Hildebrand

Oregon Station	1019	2030	
Combat Station	317		
Pelican Station	16	20	61

TRIGLIDAE

Bellator brachychir (Regan)

Oregon Station	1868	1902	2066
Silver Bay Station	2445	2467	2482

Bellator egretta (Goode and Bean)

Oregon Station	1025	1553	1554
	1868	1879	1883
	1983	2035	
Silver Bay Station	461	2170	2390
	2467	2482	2487
Combat Station	68	90	457
Pelican Station	16		

Bellator militaris (Goode and Bean)

Oregon Station	1004	1060	1303
	1553	1554	1903
	1999	2036	

TRIGLIDAE (contd.)

Silver Bay Station 35 1234 2138
1341 1557 1558
1568 2147 2382
2386 2389 2398
2400 2413 2523

Combat Station 68 94 97
98 99 333
337 338 509

Pelican Station 14

Prionotus alatus Goode and Bean

Oregon Station 864

Silver Bay Station 438 448 460
461 466 489
2147 2170 2381
2383 2390 2728

Combat Station 448 454 489

Pelican Station 16

Prionotus beani Goode

Oregon Station 1983 1986 2016
2018 2032 2044

Prionotus carolinus (Linnaeus)

Silver Bay Station 1204 1205 1210
1212 1213 1220
1223 1226 1228
1238 1240 1242
1243 1250 1255
1262 1263 1264
1270 1271 1272
1284 1396 1523
1621 1673 2170
2525 2532 2536
2578 2579

Combat Station 158 283 335
336 339 424

Pelican Station 39

Prionotus evolans (Linnaeus)

Silver Bay Station 1257 1523 1621
2853

Combat Station 283 335

Prionotus gracile

Oregon Station 1989

Prionotus martis Ginsburg

Oregon Station 968 1719

Silver Bay Station 59 60

Prionotus ophryas Jordan and Swain

Oregon Station 1938

Silver Bay Station 417 1233 1523
1558 2362 2394
2438

Prionotus paralatus Ginsburg

Oregon Station 1082 1088 1985
2001 2016

Combat Station 448 489

Prionotus pectoralis Nichols and Breder

Oregon Station 870 1088

Silver Bay Station 178 438 2945

Combat Station 333 334 425

Prionotus punctatus (Bloch)

Oregon Station 859 1985 1999
2001 2016 2018
2020 2035 2036
2037 2038 2039
2045 2046 2225

Combat Station [illegible]

TRIGLIDAE (contd.)

Prionotus roseus Jordan and Evermann

Oregon Station 873 2036 2044

Silver Bay Station 8 352 422
1268 1341 1523
1557 2394 2627
2585 2587 2591
2593 2633

Combat Station 90 283 320
339

Prionotus rubio Jordan

Oregon Station 1654

Silver Bay Station 3 4 5
6 12 44
178

Prionotus scitulus Jordan and Gilbert

Oregon Station 863 993

Silver Bay Station 1529 1562 2525
2552 2578 2579
2587

Prionotus stearnsi Jordan and Swain

Oregon Station 1060 1303 1343
1345 1496 1513
1514 1554 1558
1692 1983 1988
1989 2001 2012
2016 2021 2022
2203 2633 2799

Silver Bay Station 401 438 461
1671 2383 2389
2482

Prionotus tribulus Cuvier

Oregon Station 854

Silver Bay Station 2579 2947

DACTYLOPTERIDAE Dactylopterus volitans (Linnaeus)

Oregon Station 1380 1589 1591
1934 1935 1937
1997 1998 2000
2041 2196 2198
2221 2237 2249
2250 2262 2344
2613

Silver Bay Station 1358 1360

POMACENTRIDAE Abudefduf saxatilis (Linnaeus)

Silver Bay Station 227 454 470
471

Combat Station 290 308 310
315 320 336
448 459 462
474

Pelican Station 7 8

Chromis enchrysurus Jordan and Gilbert

Oregon Station 892 896 963

Silver Bay Station 52 152 209
391 399 437
708 731 1230
1244 1534 1548
2083 2435

George M. Bowers Station 37

Chromis flavicauda

Oregon Station 1875 2034 [illegible]
2063 2065 2085
2086

Chromis insolatus (Cuvier)

Oregon Station 725 892 1345
1692 1693 1698
1702 1795 1875
2625 2631

Combat Station 71

POMACENTRIDAE (contd.)

Eupomacentrus partitus (Poey)

Oregon Station 2630

Eupomacentrus xanthurus Poey

Oregon Station 902 967

Eupomacentrus variabilis (Castelnau)

Oregon Station 902 1692 1693 1702 1719

Silver Bay Station 53 581

Nexilarius concolor (Gill)

Oregon Station 1875

Stegastes chrysurus (Cuvier and Valenciennes)

Silver Bay Station 438

LABRIDAE

Bodianus pulchellus Poey

Oregon Station 1875

Combat Station 428

Clepticus parrai (Bloch and Schneider)

Oregon Station 2617

Silver Bay Station 397

Decodon puellaris (Poey)

Oregon Station 945 1867 1878 1879 1986 1987 2015 2064 2085 2259 2355 2607 2655 2662 2890

Silver Bay Station 431 1500 2175

Doratonotus megalepis Günther

Oregon Station 295

Halichoeres bathyphilus Beebe and Tee-Van

Silver Bay Station 415 709

Combat Station 90

Halichoeres bivittatus (Bloch)

Oregon Serrana Bank

Silver Bay Station 438 1208 2143

Halichoeres dimidiatus

Oregon Station 2086

Halichoeres poeyi (Steindachner)

Oregon Station 892 1696 1996 2236 2246 2247 2248 2257 2273 2274 2330 2622 2636

Silver Bay Station 1554 1563

Halichoeres radiatus (Linnaeus)

Oregon Serrana Bank

Lachnolaimus maximus (Walbaum)

Oregon Station 1720 1721 1722 2466

Silver Bay Station 152 342 364 502 720 722 723 880 986 1061 1062 1099 1207 1218 1294 1299 1506 2138 2359 2533

Thalassoma bifasciatum (Bloch)

Oregon Serrana Bank

Silver Bay Station 438

Xyrichthys psittacus (Linnaeus)

Oregon Station 1560 1680 1707 1715 3138

LABRIDAE (contd.)

Silver Bay Station 1208 1218 1230 1231 1237 1239 1245 1247 1259 1265 1270 1271 1272 1293 1295 1344 1358 1506 1507 1508 1523 1745 2057 2149 2157 2188 2263 2580

Pelican Station 39

Xyrichthys sp.

Oregon Station 2355

Silver Bay Station 709

Combat Station 386

SCARIDAE

Cryptotomus roseus Cope

Oregon Station 1998 2628

Silver Bay Station 153 1548 2361

Nicholsina usta (Valenciennes)

Oregon Station 2078 2262 2267 2268 2340 2341 2343

Silver Bay Station 415 417

Scarus coelestinus (Valenciennes)

Silver Bay Station 397

Scarus croicensis Bloch

Silver Bay Station 438

Scarus evermanni?

Oregon Station 1600

Sparisoma aurofrenatum (Valenciennes)

Oregon Station 2087

Silver Bay Station 500

Sparisoma chrysopterum (Bloch and Schneider)

Oregon Station 2062 2087 2273

Sparisoma radians (Valenciennes)

Oregon Station 2607

Silver Bay Station 1208 1218 1338 2439

ELEOTRIDAE

Erotelis smaragdus (Cuvier and Valenciennes)

Oregon Station 2587

GOBIIDAE

Coryphopterus glaucofraenum Gill

Silver Bay Station 438

Evermannichthys metzelaari Hubbs

Oregon Station 1697

Silver Bay Station 346

Gobionellus stigmalophius Mead and Böhlke

Oregon Station 2262

Gobiosoma oceanops Jordan

Silver Bay Station 438

ECHENEIDAE

Echeneis naucrates Linnaeus

Oregon Station 1938

Silver Bay Station 389 1284 1288 1326

Phtheirichthys lineatus (Menzies)

Oregon Station 1055 1605

Remora remora (Linnaeus)

Oregon Station 1158 1170 1370 1594 1595 1604 1606 1609

Rhombochirus osteochir (Cuvier)

Oregon Station 1045 1158 1170 1594 1595 1596 1599 1609

DRACONETTIDAE

Draconetta acanthopoma Regan

Combat Station 310 436 439

Draconetta oregona Briggs and Berry

Oregon Station 2080 2081 2082
2083

Draconetta sp.

Oregon Station 2081

CALLIONYMIDAE

Callionymus agassizi (Goode and Bean)

Silver Bay Station 2075

Combat Station 285 288 319

Pelican Station 37

Callionymus bairdi Jordan

Silver Bay Station 2360

Callionymus himantophorus Goode and Bean

Oregon Station 1513 1537 1538
1539 1540 1541
1542 1543 1546
1547 1548 1550
1556 1830 2013
2080 2081 2082
2285 2651

Silver Bay Station 463 484 486
487 491 2381
2383 2420 3081

Combat Station 183 281 285
288 319 438
453 463 467
468

Callionymus sp.

Oregon Station 2013 2082

Silver Bay Station 463 484 486
487 491

Combat Station 285 288 319
438 453 463
467 468

Synchiropus sp.

Combat Station 222

CHIASMODONTIDAE

Kali sp.

Oregon Station 2944

Pseudoscopelus altipinnis

Oregon Station 2507

Pseudoscopelus scriptus Lütken

Oregon Station 1599 1606 2191

Pseudoscopelus sp.

Oregon Station 2567 2944 2945

PERCOPHIDIDAE

Bembrops anatirostris Ginsburg

Oregon Station 156 265 269
277 696 864
2203 2799

Bembrops gobioides (Goode)

Oregon Station 266 270 272
472 1011 1442
1446 1453 1454
1455 1456 1460
1501 1502 1504
1508 1509 1510
1513 1514 1516
1517 1518 1519
1521 1524 1525
1526 1527 1528
1529 1530 1537
1539 1540 1542
1543 1550 1557
1558 1562 1563
1564 1565 1567
1568 1569 1570
1572 1573 1574
1577 1578 1579
1580 1581 1903
1906 1918 1920
1922 1923 1924
1925 1928 1929
1932 1933 1942
1943 1945 1949
1953 1954 1961
1962 1963 1964
1965 1968 1969

PERCOPHIDIDAE (contd.)

1971 1977 [illegible]
2547 2775 2825
3168 3172 3173

Silver Bay Station 155 156 157
170 212 217
221 224 227
231 234 235
249 441 1177
1178 1179 1193
1199 1611 2070
2076 2458 2469

Combat Station 2 7 8
16 18 21
32 38 279
281 314 316
317 330 332
462 463 464
467 479 482

Pelican Station 9 10 13
20 25 26
28 29

Bembrops macromma Ginsburg

Oregon Station 1879 1918 1930
1951 1952 2669
2670 2671

Silver Bay Station 2458

Bembrops sp.

Oregon Station 1085 1701 1867
1868 1870 1871
1878 1882 1883
1885 1886 1902
1903 1904 1906
1913 1915 1917
1919 1926 1945
1981 1982 1983
1984 1985 1989
2005 2008 2021
2023 2658

Silver Bay Station 100 212 213
217 218 317
441 442 469

Combat Station 450
2775 2825 3168
3172 3173

Silver Bay Station 155 156 157
170 212 217
221 224 227
231 234 235
249 441 1177
1178 1179 1193
1199 1611 2070
2076 2458 2469

Combat Station 2 7 8
16 18 21
32 38 279
281 314 316
317 330 332
462 463 464
467 479 482

Pelican Station 9 10 13
20 25 26
28 29

Bembrops macromma Ginsburg

Oregon Station 1879 1918 1930
1951 1952 2669
2670 2671

Silver Bay Station 2458

Bembrops sp.

Oregon Station 1085 1701 1867
1868 1870 1871
1878 1882 1883
1885 1886 1902
1903 1904 1906
1913 1915 1917
1919 1926 1945
1981 1982 1983
1984 1985 1989
2005 2008 2021
2023 2658

Silver Bay Station 100 212 213
217 218 317
441 442 469

Combat Station 450

PERCOPHIDIDAE (contd.)

Chriomystax squamentum sp. nov.

Oregon Station 1891

OPISTHOGNATHIDAE

Lonchopisthus higmani Mead

Oregon Station 2017 2226 2229 2235 2236 2276

Lonchopisthus lindneri Ginsburg

Oregon Station 1004

Silver Bay Station 2409

Opistognathus lonchurus Jordan and Gilbert

Oregon Station 2654

Silver Bay Station 1788

Opisthognathus sp.

Oregon Station 2262

URANOSCOPIDAE

Arioscopus egregius (Jordan and Thompson)

Oregon Station 1011 2799

Astroscopus y-graecum (Cuvier)

Silver Bay Station 12 1335 1348 1389 1457 2150

Gnathagnus laticeps (Longley and Hildebrand)

Oregon Station 1524 1526 1530 1538 1548 1557 1562 1563 1564 1567 1568 1573 1574 1577 1578 1580 1661 1671 1701 1707 1708 1961 1962 1963 1964 2203 2527

Silver Bay Station 2482

Combat Station 76 304

Kathetostoma albigutta (Bean)

Oregon Station 879 1303 1499 1500 1631

Silver Bay Station 160 422 437 438 532 1268 1342 1393 1504 1505 1523 1537 1545 1550 1622 1670 2535 2763

Combat Station 333 334 354 396 424 427 454

George M. Bowers Station 50

Kathetostoma cubana Barbour

Oregon Station 1878 2603 2633

Silver Bay Station 2445 2464 2467 2469 2470 2472 2477 2480 2482

DACTYLOSCOPIDAE

Dactyloscopus sp.

Silver Bay Station 1537

CLINIDAE

Enneapterygius Jordani (Evermann and Marsh)

Oregon Arcas Cay

Paraclinus grandicomis (Rosen)

Oregon Station 2355

Labrisomus bucciferus Poey

Oregon Serrana Bank

Labrisomus gobio

Oregon Serrana Bank

Labrisomus guppyi (Norman)

Oregon Serrana Bank

CLINIDAE (contd.)

Labrisomus nuchipinnis (Quoy and Gaimard)

Oregon Serrana Bank

Labrisomus schmidti

Oregon Station 1874

Malacoctenus aurolineatus

Oregon Serrana Bank

Malacoctenus gilli (Steindachner)

Oregon Serrana Bank

Starksia ocellata or Malacoctenus ocellatus (Steindachner)

Silver Bay Station 438

Starksia hassi

Oregon Station 2659

BLENNIDAE

Blennius cristatus Linnaeus

Silver Bay Station 438

Rupiscartes atlanticus (Cuvier and Valenciennes)

Silver Bay Station 438

Salarichthys textilis Quoy and Gaimard

Silver Bay Station 358 438

ZOARCIDAE

Lycodes brunneus

Silver Bay Station 1195

Melanostigma sp.

Silver Bay Station 454 1195

BROTULIDAE

Acanthonus sp.

Oregon Station 2567

Barathronus bicolor Goode and Bean

Oregon Station 1908 North Eastern Gulf, station not known

Bassozetus normalis Gill

Oregon Station 1303

Bassozetus sp. ?

Oregon Station 2574

Brotula barbata (Bloch and Schneider)

Oregon Station 1500 2258 2901

Silver Bay Station 294 434

Dicrolene intronigra Goode and Bean

Oregon Station 1955 2202

Dicrolene kanazawai Grey

Oregon Station 1303 2821

Lamprogrammus niger Alcock

Oregon Station 1955

Monomitopus agassizi (Goode and Bean

Oregon Station 1955

Nematonus sp.

Oregon Station 2567

Neobythites gillii Goode and Bean

Oregon Station 1019 1878 2799

Neobythites marginatus Goode and Bean

Oregon Station 1539 1947

Silver Bay Station 1190

Neobythites sp.

Oregon Station 1341 1343 1380 2081

BROTULIDAE (contd.)

Silver Bay Station 441

Combat Station 448

Penopus microphthalmus Vaillant

Oregon Station 1303

Porogadus miles Goode and Bean

Oregon Station 1303 2574

Porogadus subarmatus Vaillant

Oregon Station 1303

OPHIDIIDAE

Lepophidium aporrhox Robins

Oregon Station 1864 2016 2017
2023 2032 2045
2074 2208 2226
2236 2248

Lepophidium brevibarbe (Cuvier)

Oregon Station 1341 1870 1902
2203 2288 2290

Silver Bay Station 12

Lepophidium cervinum (Goode and Bean)

Oregon Station 2024

Silver Bay Station 220 458 1552
1670 2731 2732

Combat Station 94 225 334
454 458 460
462 475 488
489 490 491
492

Pelican Station 16 61

Lepophidium graellsi (Poey)

Oregon Station 2226 2236 2348

Lepophidium jeannae Fowler

Silver Bay Station 1268 1557 1558
2390 2394 2398
2407 2710

Lepophidium marmoratum (Goode and Bean)

Oregon Station 1340 1341 1342
1343

Combat Station 238 446

Lepophidium pheromystax Robins

Oregon Station 1999 2000 2001
2249 2250 2259
2261 2276 2281
2308a 2318

Lepophidium profundorum (Gill)

Oregon Station 1879

Combat Station 235

Lepophidium staurophor Robins

Oregon Station 1878 1894 1904

Lepophidium kallion Robins

Oregon Station 1340 2645 2647

Lepophidium sp. nov.

Oregon Station 2016 2208 2262
2298

Silver Bay Station 1537 1968 2470
2472 2479

Combat Station 236 334 519

Ophidion holbrooki (Putnam)

Oregon Station 2268

Silver Bay Station 775 1212 1213
1220 1257 1402
1566 2394 2410
2438 2536 2586
2617 2672

OPHIDIIDAE (contd.)

Combat Station 333 335 341
497

Ophidion sp. nov.

Oregon Station 2249 2291

Silver Bay Station 247

Combat Station 515 526

Pelican Station 68

Otophidium grayi

Oregon Station 2089

Silver Bay Station 1329 2587 2617

Combat Station 341 342 408

Otophidium omostigmum (Jordan and Gilbert)

Silver Bay Station 1537 1644

Otophidium sp.

Combat Station 158

Varicus bucca Robins and Böhlke

Oregon Station 2627

CARAPIDAE

Carapus bermudensis (Jones)

Oregon Station 1994

BATRACHOIDIDAE

Batrachoides surinamensis (Schneider)

Oregon Station 2055

Nautopaedium porosissimum (Valenciennes)

Oregon Station 1495 1497 1499
1533 1535 1536
2203 2439 2687
2867 2869 2878
2898 2904

Silver Bay Station 8 54 128
170 395 1212
1213 1226 1227
1250 1257 1268
1284 1291 1484
1739 1969 2192
2354 2355 2357
2376 2407 2409
2410 2412 2436
2438 2440 2541

Combat Station 161 303

Nautopaedium sp.

Oregon Station 1879 2348

Opsanus beta (Goode and Bean)

Oregon Station 1795

Silver Bay Station 70

Opsanus pardus (Goode and Bean)

Oregon Station 901 967 2135

Silver Bay Station 66 116 132
142 143 144

Porichthys sp.

Oregon Station 2226 2244 2261
2291

GOBIESOCIDAE

Gobiesox strumosus Cope

Silver Bay Station 856

TRIACANTHODIDAE

Bollardia bollardi Poey

Oregon Station 1054 1882 1883
1885 1887 1923
1934 2351 2618
2651 2652

Johnsonina eriomma Myers

Oregon Station 1342 1343 1903
2606 2623 2647
2650

Parabollardia lineata (Longley)

Oregon Station 278

Silver Bay Station 1670

TRIACANTHODIDAE (contd.)

Parahollardia schmidti Woods

Oregon Station 1867 1868 1895

BALISTIDAE

Balistes capriscus Gmelin

Oregon Station 1170 1174 1356
1370 1372 1374
1380 1583 1585
1587 1589 1593
1602

Silver Bay Station 1 301 401
923 1237 1271
1354 1357 1499
1523 1525 2138
2140 2143 2325
2533

Combat Station 436 438 451
455 457 458
459 462 485

Balistes carolinensis Gmelin

Oregon Station 634 1638 2440

Silver Bay Station 5 6 14
153 158 159
161 164 169
1157 1160 1216
1217 1231 1508
2137 2149

Combat Station 71

Balistes vetula Linnaeus

Oregon Station 1866 1934 1935
1936 1937 2618

Canthidermis maculatus (Bloch)

Oregon Station 1234 1305

Combat Station 457 474

Canthidermis sobaco (Poey)

Combat Station 436

Canthidermis sufflamen (Mitchill)

Oregon Station 1134

Xanthichthys ringens (Linnaeus)

Oregon Station 1356 1380

MONACANTHIDAE

Alutera guntheriana Poey

Oregon Station 2276 2309

Alutera heudelotii Hollard

Oregon Station 143 890 891
917 987 1060
1074 1133 1139
1589 2198

Silver Bay Station 6 8 9
14 159 1204
1205 1270

Combat Station 436 438

Alutera monoceros (Linnaeus)

Silver Bay Station 1550 2951

Combat Station 459

Alutera scripta (Osbeck)

Oregon Station 1035 1297 1525
1589 1590 1638
1639 1640 1705
2198 2514 2537

Silver Bay Station 342 471 476
711 713 744
929

Combat Station 438 443 459
462 474 485
490

Alutera ventralis Longley

Oregon Station 1589 2248 2249

Silver Bay Station 501

Combat Station 158

MONACANTHIDAE (contd.)

Alutera schoepfi (Walbaum)

Oregon Station 1583 1589 1638
1639 1649 1688
1689 1719 2543

Silver Bay Station 6 153 159
162 342 1208
1209 1210 1215
1218 1224 1226
1227 1230 1236
1239 1242 1249
1250 1252 1254
1258 1270 1271
1291 1294 1295
1296 1297 1307
1308 1310 1311
1317 1345 1537
1638 1639 1649
2077 2080 2133
2137 2140 2411
2438 2525 2533

Combat Station 348

Monacanthus ciliatus (Mitchill)

Oregon Station 901 936 1021
1554 1575 1705
1706 1707 1716
1720 1892 1935
1958 2000 2174
2198 2232 2246
2247 2276

Silver Bay Station 71 91 98
110 152 153
401 404 417
470 471 476
710 711 772
1205 1208 1218
1268 2412 2440
2507

Combat Station 295 315 333
336 339 438
448 455 457
459 462

Pelican Station 7

George M. Bowers Station 235 Eleuthera (our station)
Hatchet Bay 3 miles offshore
April 20-May 3, 1960

Bahamas: 1 mile West of Cat Cay

Monacanthus tuckeri Bean

Silver Bay Station 471

Stephanolepis hispidus (Linnaeus)

Oregon Station 1477 1531 1533
1536 1553 1554
1583 1599 1602
1605 1616 1670
1698 1734 1935
1996 1998 1999
2000 2001 2017
2018 2019 2032
2035 2036 2040
2073 2196 2198
2232 2246 2247
2248 2276 2339
2535 2933

Silver Bay Station 5 6 7
8 10 12
14 60 108
116 121 122
153 158 159
160 161 162
163 164 227
381 386 404
422 470 471
476 501 710
711 712 713
720 744 776
1204 1205 1209
1210 1211 1212
1213 1214 1215
1217 1221 1222
1226 1227 1228
1229 1230 1231
1237 1238 1239
1240 1245 1247
1248 1250 1257
1258 1259 1262
1268 1270 1271
1284 1288 1291
1293 1294 1295
1296 1297 1299
1305 1306 1307
1308 1309 1310
1311 1315 1316
1317 2438

Combat Station 289 297 315
316 336 347

MONACANTHIDAE (contd.)

	372	378	386
	424	425	436
	438	443	455
	457	458	459
	462	474	485
	509		

Pelican Station 15 39

George M. Bowers 50
Bahamas: 1 mile West of Cat Cay, 6 fathoms, 7-22-55

Stephanolepis insignis

Oregon Station	1998	2000	2001
	2036	2051	2238
	2250		

Stephanolepis setifer (Bennett)

Oregon Station	1935	1937	2196
	2198		

Silver Bay Station 470

Combat Station	296	326	328
	336	339	343
	436	438	455
	457	459	462
	474		

George M. Bowers Station 235

Stephanolepis varius

Oregon Station 1934

Amanses pullus (Ranzani)

Oregon Station	792	1035	1089
	2196		

Silver Bay Station 446 929

Combat Station	70	436	457
	459	474	485
	490		

OSTRACIIDAE

Lactophrys bicaudalis (Linnaeus)

Silver Bay Station 341 502

Lactophrys quadricornis (Linnaeus)

Oregon Station	1553	1660	1673
	1687	1696	1699
	1703	1719	1720
	1721	1724	1725
	1765	1791	1797
	1802	1892	2017
	2153	2447	2448
	2466	2537	2811
	3066		

Silver Bay Station	8	10	71
	110	152	153
	160	164	187
	240	281	341
	352	372	374
	377	381	394
	501	709	710
	714	715	719
	720	721	726
	728	745	772
	779	843	915
	940	1007	1120
	1208	1294	1297
	1360	1507	1522
	1526	1534	2078
	2133	2140	2409
	2410	2411	2438
	2441	2451	2533
	2581		

Combat Station	67	158	321
	347		

Rhinesomus trigonus (Linnaeus)

Silver Bay Station 850

Rhinesomus triqueter (Linnaeus)

Oregon Station 896

Silver Bay Station 353

TETRAODONTIDAE

Colomesus psittacus (Bloch and Schneider)

Oregon Station 2215 2325

Lagocephalus laevigatus (Linnaeus)

Oregon Station	1553	1554	1558
	1628	1629	1636
	1638	1654	1657
	1663	1664	1671
	1702	1717	1757
	2898	2910	2925
	2967	2984	2993
	3015	3027	3039
	3082	3124	

Silver Bay Station	6	7	8
	9	48	180
	181	182	187
	188	189	190
	194	202	203
	204	208	267
	274	279	281
	352	360	361
	366	368	374
	573	574	799
	800	802	837
	845	846	1208
	1228	1259	1297
	1348	1506	1507
	2439	2441	2533
	2545		

Combat Station 71

Pelican Station 15

Sphoeroides dorsalis Longley

Oregon Station	892	901	1892
	1895	2168	2249
	2261		

Silver Bay Station	384	390	404
	422	433	437
	1218	1233	1266
	1268	1270	1273
	1341	1523	1525
	1526	1621	1669
	1672	2078	2155
	2344	2360	2410
	2532	2542	2544
	2579	2692	2721
	2842a		

Combat Station	164	341	371
	386	428	496

Sphoeroides maculatus (Bloch and Schneider)

Silver Bay Station	1212	1213	1226
	1227	1228	1240
	1256	1263	1264
	1408	1485	1496
	1522	2533	2578
	2579	2806	2842a
	2913	2922	2949

Combat Station	312	383	425

Sphoeroides marmoratus (Ranzani)

George M. Bowers Station — Eleuthera, Hatchet Bay 3 miles off-shore, April 20-May 3, 1960

Sphoeroides nephelus (Goode and Bean)

Silver Bay Station 1213

Sphoeroides pachygaster (Müller and Troschel)

Oregon Station 1550

Silver Bay Station 438

Sphoeroides spengleri (Bloch)

Oregon Station	892	901	1892
	1895	1834	

TETRAODONTIDAE (contd.)

Silver Bay Station: 153 404 438 1207 1211 1217 1218 1220 1222 1233 1297 1554 2158 2361 2439 2451 2543 2717 2719

Combat Station: 161 296 333 391

Sphoeroides testudineus (Linnaeus)

Oregon Station: 2613

CANTHIGASTERIDAE

Canthigaster rostrata (Block)

Oregon Station: 961 2355 2624 2631

Silver Bay Station: 1218 2435

Combat Station: 353

DIODONTIDAE

Chilomycterus antillarum Jordan and Rutter

Oregon Station: 2058 2076

Chilomycterus schoepfi (Walbaum)

Oregon Station: 1533 1535 1639 1672 1674 1675 1676 1679 1680 1681 1684 1685 1686 1687 1688 1689 1690 1693 1694 1695 1697 1699 1705 1707 1711 1712 1717 1719 1721 1725 1727 1755 1773 1782 1783 1786 2562 2563 2564 2881

Silver Bay Station: 35 41 48 59 71 116 118 141 142 153 160 162 164 416 848 916 1213 1222 1296 1297 1393 1537 1664 2078 2133 2288 2357 2409 2578 2579

George M. Bowers Station: 235 Eleuthera (our station 526) Hatchet Bay, 3 miles off-shore April 20-May 3, 1960

Diodon holocanthus Linnaeus

Oregon Station: 1934

Silver Bay Station: 2361

Combat Station: 474

Diodon hystrix Linnaeus

Oregon Station: 1158 1365 1600 2962

Silver Bay Station: 206 249

Diodon maculifer Kaup

Oregon Station: 1489

MOLIDAE

Mola mola (Linnaeus)

Oregon Station: 1598

Combat Station: 179

LOPHIIDAE

Lophius americanus Valenciennes

Oregon Station: 2782

Silver Bay Station: 458 459 1609 2170

Combat Station: 284 290 300 304 462 494

Lophiomus sp.

Oregon Station: 1441 1453 1454 1455 1456 1530 1538 1539 1540 1542 1543 1546 1547 1548 1550 1557 1563 1565 1566 1568 1569 1872 1879 1885 1915 1917 1918 2669 2670

Combat Station: 81 221 227 228 290 300 363

Pelican Station: 73

ANTENNARIDAE

Antennarius multiocellatus (Valenciennes)

Silver Bay Station: 2361

Antennarius ocellatus (Bloch and Schneider)

Oregon Station: 1494 1495 1531 1536

Silver Bay Station: 2383

Combat Station: 496

Antennarius radiosus ? Garman

Oregon Station: 920 2704

Silver Bay Station: 222 2170 2203 2381 2382 2383

Antennarius scaber (Cuvier)

Oregon Station: 2078

Silver Bay Station: 1268

Histrio histrio (Linnaeus)

Oregon Station: 1021 1489 1587 1605 1616 2196 2198 2481

Silver Bay Station: 227 442 454 470 471 476 481 2201

Combat Station: 290 295 296 297 302 310 315 336 337 339 356 436 438 445 448 451 455 458 459 462 474 485 490

Phrynelox nuttingi Garman

Silver Bay Station: 1369

CHAUNACIDAE

Chaunax pictus Lowe

Oregon Station: 1445 1446 1447 1448 1450 1451 1452 1453 1454 1456 1458 1460 1537 1538 1539 1540 1541 1542 1543 1546 1547 1548 1550 1556 1563 1566 1569 1577 1579 1869 1871 1872 1883 1885 1907 1908 1919 1910 1911 1912 1913 1914 1915 1916 1918 1919 1920 1921 1922 1923 1924 1925 1928 1929 1931 1932 1942 1943 1945 1946 1947 1948 1949 1950 1952 1953 1954 1963 1969 2007 2009 2026 2030 2081 2082 2083 2084 2320 2606 2634 2636 2637 2638 2639 2647 2658 2669 2670 2671 2672 2776 2777 2825 3172

Silver Bay Station: 212 216 217 218 220 227 228 229 230 232 235 249 250 441 442 449 454 457 458 463 468 1190 1190 1191 1192 1193 1194 1195 1198 1201 1203 1606 1607 2040 2062 2063 2064 2065 2067 2068 2069 2070 2074 2075 2076 2419 2420 2421

CHAUNACIDAE (contd.)		2423	2457	2458
		2469	2474	2477
		2479	2483	
	Combat Station	1	18	21
		23	32	38
		83	87	186
		238	271	274
		295	300	301
		302	306	310
		312	313	314
		315	323	324
		325	358	362
		416	430	431
		434	436	438
		439	441	442
		444	445	446
		450	453	459
		463	477	479
		486		
	Pelican Station	16	20	27
		29	36	38
		43	51	57
		75	76	77
OGCOCEPHALIDAE	Dibranchus atlanticus Peters			
	Oregon Station	1019	1425	1442
		1447	1448	1450
		1451	1452	1453
		1455	1456	1505
		1506	1538	1539
		1540	1542	1543
		1546	1547	1548
		1550	1556	1564
		1565	1568	1570
		1572	1573	1574
		1576	1578	1579
		1580	1581	1872
		1885	1909	1918
		1925	1926	1927
		1928	1929	1931
		1942	1943	1945
		1948	1949	1950
		1962	1963	1965
		1966	1967	1969
		1971	2005	2007
		2008	2009	2025
		2026	2030	2084
		2308	2319	2320
		2637	2638	2670
		2674	2775	2782
		2825	3168	3169
		3173		
	Silver Bay Station	212	214	216
		217	218	220
		224	225	226
		227	228	229
		232	235	236
		250	445	454
		457	458	460
		468	470	1178
		1179	1180	1181
		1190	1191	1195
		1196	1197	1199
		1203	1551	1604
		1605	1607	1608
		1619	2062	2063
		2064	2065	2067
		2069	2070	2074
		2075	2076	2420
		2421	2458	2423
	Combat Station	2	7	8
		10	18	21
		23	32	38
		79	80	84
		85	104	105
		107	186	201
		205	224	228
		279	314	315
		317	319	323
		324	325	331
		362	363	405
		410	430	431
		433	435	436
		438	439	444
		446		
	Pelican Station	13	17	20
		26	27	28
		57	66	76
		77		
	Halieutichthys aculeatus (Mitchill)			
	Oregon Station	936	1004	1020
		1303	1494	1495
		1496	1699	1700
		1701	1704	1706
		1707	1713	1714
		1771	2648	2649
		2650		
OGCOCEPHALIDAE (contd.)	Silver Bay Station	6	12	37
		1219	1230	1231
		1259	1268	1504
		1534	1545	1622
		2388	2389	2435
		2467	2470	2523
	Combat Station	76	236	238
		336	350	383
		425	427	
	George M. Bowers Station	32	49	50
	Halieutichthys caribbaeus Garman			
	Oregon Station	1878		
	Combat Station	235		
	Halieutichthys sp.			
	Oregon Station	1986	1987	1997
		2000	2015	2021
		2221	2226	2231
		2232	2234	2245
		2246	2247	2248
		2249	2273	2286
		2303		
	Ogcocephalus cubifrons (Richardson)			
	Silver Bay Station	60		
	Ogcocephalus nasutus (Valenciennes)			
	Silver Bay Station	177	179	181
		1101		
	Combat Station	284	336	337
	George M. Bowers Station	50		
	Ogcocephalus parvus Longley and Hildebrand			
	Oregon Station	1341	1513	1514
		1518	1519	1526
		1527	1528	1529
		1530	1550	
	Silver Bay Station	460	1341	1546
		2155	2382	
	Combat Station	76		
	Ogcocephalus radiatus (Mitchill)			
	Oregon Station	1494	1496	1533
		1534	1535	1536
		1688		
	Silver Bay Station	3	35	48
		81	88	89
		90	92	93
		97	98	100
		108	109	110
		111	153	154
		155	156	158
		159	163	164
		165	170	718
	Combat Station	94		
	Pelican Station	7	8	14
		21	22	23
		24		
	Ogcocephalus vespertilio (Linnaeus)			
	Oregon Station	1699	1709	1743
		2268		
	Silver Bay Station	165	166	167
		437	1006	2389
	Ogcocephalus sp.			
	Silver Bay Station	12	222	1268
		1621	1670	
	Combat Station	283	333	334
		353	353	385
		405	496	
CERATIIDAE	Ceratias holboelli Kroyer			
	Combat Station	191		
	Cryptopsaras couesi Gill			
	Oregon Station	1448	2507	2944
		2945	3103	3258
	Combat Station	11	42	84

DICERATIIDAE	Diceratias bispinosus ? Günther		
	Oregon Station	2010	2011
	Paroneirodes wedli (Pietschmann)		
	Oregon Station	1911	
	Silver Bay Station	1197	
ONEIRODIDAE	Chaenophryne sp.		
	Oregon Station	2567	
	Dolopichthys sp.		
	Oregon Station	2573	
	Oneirodes sp.		
	Oregon Station	2577	
	Oneirodes bradburyae Grey		
	Oregon Station	1028	
	Thaumatichthys sp. nov.		
	Oregon Station	2567	
HIMANTOLOPHIDAE	Corynolophus reinhardti ? (Lütken)		
	Pelican Station	43	
	Himantolophus groenlandicus Reinhardt		
	Oregon Station	1486	1955
	Combat Station	42	
	Himantolophus compressus Osorio		
	Combat Station	421	
MELANOCETIDAE	Melanocetus johnsoni Günther		
	Silver Bay Station	1277	
	Melanocetus murrayi Günther		
	Oregon Station	2201	2570 2575
LINOPHRYNIDAE	Linophryne arborifera Regan		
	Oregon Station	2573	2576 3258
	Silver Bay Station	1607	
	Linophryne brevibarbis Parr		
	Pelican Station	53	

Table 1.--M/V Oregon station list

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1430	17°30'	64°40'	1-18-56	--	--	--	81	--	--	Longline
1431	17°40'	68°05'	1-21-56	0917-1440	--	--	80	79	--	Longline
1432	16°29'	69°30'	1-22-56	0830-1415	--	--	79	79	--	Longline
1433	15°10'	71°10'	1-23-56	0730-1030	2400	--	82	79	--	Longline
1434	16°15'	77°50'	1-25-56	0740-1040	1200	--	--	79	--	Longline
1435	17°55'	80°25'	1-26-56	0830-1440	2000	--	80	78	--	Longline
1436	19°30'	81°50'	1-27-56	0833-1121	1600	--	76	78	--	Longline
1437	21°05'	84°10'	1-28-56	0830-1115	2200	--	75	77.5	--	Longline
1438	24°08'	85°25'	1-29-56	1445-1525	2064	--	--	76	--	Longline
1439	24°25'	86°45'	1-30-56	0840-1140	2160	--	74	76	--	Longline
1440	27°35'	87°37'	1-31-56	0830-1200	1580	--	66	69	--	Longline
1441	29°10'	88°05'	2-16-56	0325-0345	200	gy.gr..M.	67	66	52.3	40' flat trawl
1442	29°11'	88°03'	2-16-56	0845-0915	225-230	--	70	68	50	80' balloon trawl
1443	29°09'	88°12'	2-16-56	1410-1445	215	gy.M.	70	67	--	80' balloon trawl
1444	29°10'	88°02'	2-16-56	1730-1815	240	gy.M.	68	--	50.9	72' balloon trawl
1445	29°15'	87°54'	2-16-56	0030-0115	250	gy.gr..M.	70	67	--	72' balloon trawl
1446	29°17'	87°40'	2-17-56	0555-0630	260	M.	68	67	--	80' balloon trawl
1447	29°20'	87°30'	2-17-56	1330-1410	240	M.	69	64	--	80' balloon trawl
1448	29°15'	87°45'	2-17-56	2050-2125	240	--	70	67	--	72' balloon trawl
1449	29°13'	87°52'	2-17-56	0200-0245	250	M.	70	67	--	80' balloon trawl
1450	29°17'	87°41'	2-18-56	0805-0835	240	--	70	67	--	80' balloon trawl
1451	29°20'	87°29'	2-18-56	1315-1400	275	M.	70	67	--	80' balloon trawl
1452	29°19'	87°37'	2-18-56	1830-1910	260	M.	68	68-70	--	80' balloon trawl
1453	29°28'	87°07'	2-18-56	0200-0235	240	M.	70	68	--	80' balloon trawl
1454	29°22'	86°55'	2-19-56	0755-0830	225	M.	74	68	--	80' balloon trawl
1455	29°30'	87°08'	2-19-56	1410-1450	225	M.	74	68	9.75	80' balloon trawl
1456	29°31'	86°54'	2-19-56	2120-2155	225	M.	74	68	--	80' balloon trawl
1457	29°30'	87°10'	2-19-56	0330-0410	200	M.	70	68	--	80' balloon trawl
1458	29°24'	87°24'	2-19-56	1025-1105	240	M.	70	69	--	80' balloon trawl
1459	29°18'	87°36'	2-20-56	1320-1400	225-235	M.	70	69	--	80' balloon trawl
1460	29°17'	87°3[illegible]'	2-20-56	1825-1910	265	M.	68	69	--	80' balloon trawl
1461	29°18'	87°44'	2-20-56	0100-0150	250	M.	60	--	--	80' balloon trawl
1462	29°12'	87°59'	2-22-56	1010-1030	200	g.M.	70	68	--	80' balloon trawl
1463	29°15'	87°51'	2-22-56	0405-0435	200	g.M.	70	68	--	80' balloon trawl
1464	29°13'	88°02'	2-23-56	1010-1035	200	g.M.	70	68	--	80' balloon trawl
1465	29°14'	87°52'	2-23-56	1120-1420	215	g.M.	70	68	--	80' balloon trawl
1466	29°12'	88°04'	2-23-56	2225-2300	215	M.	66	64	--	80' balloon trawl
1467	29°14'	87°51'	2-23-56	0525-0600	215	M.	65	65	--	80' balloon trawl
1468	28°45'	88°07'	3-23-56	0925-1106	1000	--	70	74	--	Longline
1469	27°13'	89°35'	3-23-56	0913-1210	1184	--	80	72	--	Longline
1470	25°40'	91°05'	3-25-56	--	1340	--	70	--	--	Dip net
1471	25°40'	91°03'	3-25-56	--	1940	--	70	75	--	Longline
1472	24°45'	91°42'	3-26-56	--	2000	--	72	--	--	Dip net
1473	24°48'	91°40'	3-26-56	0550-0300	2000	--	70	76	--	Longline
1474	23°47'	92°25'	3-27-56	0900-1145	2200	--	80	74	--	Longline
1475	24°25'	93°05'	3-28-56	0900-1050	2030	--	75	73	--	Longline
1476	22°35'	92°48'	3-29-56	--	2000	--	80	74	--	Longline
1477	21°22'	92°25'	3-29-56	--	114	--	76	--	--	Dip net
1478	21°20'	92°26'	3-30-56	1030-1347	400-1500	--	84	76	--	Longline
1479	20°55'	94°01'	3-30-56	--	1265	--	76	--	--	Dip net
1480	20°52'	94°15'	3-31-56	1020-1311	1265	--	80	75.5	--	Longline
1481	19°35'	95°15'	4-1-56	--	1260	--	76	76.5	--	Longline
1482	19°30'	95°15'	4-2-56	--	1205	--	78	76	--	Longline
1483	20°40'	96°05'	4-2-56	--	990	--	76	--	--	Dip net
1484	20°50'	96°53'	4-3-56	--	1220	--	78	76	--	Longline
1485	22°20'	97°05'	4-3-56	--	1060	--	78	--	--	Dip net
1486	22°25'	97°00'	4-4-56	--	1056	--	80	--	--	Longline
1487	--	--	4-11-56	--	--	--	--	--	--	Dip net
1488(A)	19°40'	95°20'	4-11-56	0810-1140	1300	--	75	77	--	Longline
1488(B)	19°30'	95°10'	4-11-56	1600-1745	1205	--	65	77	--	Longline
1489	19°35'	94°28'	4-11-56	--	1278	--	76	76	--	Dip net
1490	19°30'	96°25'	4-12-56	--	1120	--	80	77	--	Longline
1491	20°40'	95°05'	4-13-56	--	1160	--	78	77	--	Longline
1492	20°45'	95°15'	4-13-56	--	1160	--	--	75	--	Dip net
1493	20°40'	95°20'	4-14-56	0900-1340	1020	--	80	76	--	Longline
1494	29°15'	88°30'	5-3-56	2010-0010	60	M.	75	76.5	--	40' flat trawl
1495	28°48'	89°26'	5-4-56	0630-0800	45	bu.M.	72	75	65.3	40' flat trawl
1496	28°13'	90°25'	5-4-56	--	50	M.	77	75	--	40' flat trawl
1497	28°18'	90°42'	5-4-56	--	38	M.	72	74	68.9	40' flat trawl
1498	28°20'	90°45'	5-4-56	2035-2310	30	M.	72	74	69.8	40' flat trawl
1499	28°20'	91°30'	5-5-56	0400-0545	25	s.M.	78	74	70.7	40' flat trawl
1500	28°05'	92°36'	5-5-56	1525-1610	52	M.	78	75	65.4	40' flat trawl
1501	27°48'	94°40'	5-6-56	0225-0340	200	M.	74	74	53.2	40' flat trawl
1502	27°48'	94°50'	5-6-56	0430-0710	225	bu.M.	74	75	52.2	40' flat trawl
1503	27°48'	94°45'	5-6-56	0730-0850	200	s.M.	74	76	--	40' flat trawl
1504	27°48'	94°45'	5-6-56	0955-1255	200	M.	75	76	52.8	40' flat trawl
1505	27°48'	94°55'	5-6-56	1550-1655	250	gy.M.	78	76	50	40' flat trawl
1506	27°40'	94°58'	5-6-56	1815-2115	275	--	76	76	--	40' flat trawl
1507	27°43'	95°05'	5-6-56	2220-0120	300	bu.gy.M.	76	75.5	--	40' flat trawl
1508	27°40'	95°35'	5-7-56	0420-0550	200	s.M.	76	75	53.1	40' flat trawl
1509	27°38'	95°35'	5-7-56	0655-1155	225	M.	76	76	49.8	80' balloon trawl
1510	27°40'	95°45'	5-7-56	1400-1515	100	M.	78	76	--	80' balloon trawl
1511	27°42'	95°43'	5-7-56	1610-1725	70	Co.M.	78	75	--	80' balloon trawl
1512	27°57'	94°55'	5-8-56	0500-2400	50	R.	78	76	68.[illegible]	Handline
1513	27°51'	94°52'	5-[illegible]-56	1120-1415	100	M.	78	77	61.2	40' flat trawl
1514	27°50'	94°45'	5-[illegible]-56	1525-1825	130	M.	78	77	5[illegible]	40' flat trawl
1515	28°40'	89°50'	5-13-56	1200-2130	49	R.	80	78	66.2	Handline
1516	29°05'	88°29'	5-14-56	1410-1440	210	M.	80	78	50.6	40' flat trawl
1517	29°10'	88°10'	5-15-56	1400-1615	220	M.	81	76	47.[illegible]	103' balloon trawl
1518	29°11'	88°02'	5-15-56	1910-2310	250	M.	78	75	47.6	103' balloon trawl
1519	29°13'	87°54'	5-16-56	0825-1130	260	M.	74	76	47.2	103' balloon trawl
1520	29°10'	88°05'	5-16-56	1245-1520	250	s.M.	73	77	--	103' balloon trawl
1521	29°13'	87°58'	5-16-56	1810-2200	230	M.	78	76	49.1	40' flat trawl
1522	29°09'	88°14'	5-17-56	0830-1100	225	M.	70	77	--	40' flat trawl
1523	29°05'	88°23'	5-17-56	1140-1240	215	M.	75	77	--	40' flat trawl
1524	29°08'	88°19'	5-17-56	1430-1630	200	M.	75	77	50.4	80' balloon trawl
1525	29°10'	88°08'	5-17-56	1930-2230	220	M.	72	76	49.[illegible]	80' balloon trawl
1526	29°11'	87°59'	5-18-56	0825-1130	250	M.	74	75	47.5	80' balloon trawl
1527	29°10'	88°09'	5-18-56	1225-1630	230	M.	77	78	47.6	80' balloon trawl
1528	29°07'	88°22'	5-18-56	1725-2230	225	M.	83	78	49.3	80' balloon trawl
1529	29°11'	88°04'	5-19-56	0850-1150	250	M.	84	78	47.5	100' flat trawl
1530	29°09'	88°16'	5-19-56	1250-1550	240	M.	86	80	48.2	100' flat trawl
1531	29°08'	88°45'	5-19-56	1920-2020	45	M.	78	79	65.8	100' flat trawl
1532	29°14'	88°44'	5-19-56	2120-2200	36	br.bu.M.	76	78	70.5	100' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1533	29°16'	88°20'	5-20-56	1925-2025	45	M.	90	78	65.6	80' balloon trawl
1534	29°15'	88°25'	5-20-56	2130-2230	60	M.r.	90	78	63.4	80' balloon trawl
1535	29°09'	88°40'	5-21-56	0025-0125	45	M.	90	79	65.6	125' semi-balloon trawl
1536	29°17'	88°51'	5-21-56	0435-0535	30	M.	88	79	70.8	125' semi-balloon trawl
1537	24°29'	83°27'	6-15-56	0610-0835	212	Lt.gy.M.	85	80	50.4	72' balloon trawl
1538	24°29'	83°32'	6-15-56	0940-1240	210	Lt.gy.M.	85	80	48.7	72' balloon trawl
1539	24°28'	83°30'	6-16-56	1350-1630	220	Lt.gy.M.	82	79.9	50.5	72' balloon trawl
1540	24°23'	83°35'	6-16-56	1810-2210	220	Lt.gy.M.	81	80	--	72' balloon trawl
1541	24°28'	83°29'	6-16-56	2305-0305	220	Lt.gy.M.&Co.r.	--	79.5	--	72' balloon trawl
1542	24°31'	83°35'	6-16-56	0500-0900	210	lt.gy.M.S.	83	80	--	72' balloon trawl
1543	24°28'	83°28'	6-16-56	1025-1425	210	--	81	79.5	50.2	72' balloon trawl
1544	24°30'	83°36'	6-16-56	1550-2045	210	lt.gy.M.&S.	75	80	--	72' balloon trawl
1545	24°28'	83°28'	6-17-56	2430-0430	210	--	80	79	--	100' flat trawl
1546	24°28'	83°30'	6-17-56	0605-1005	210	lt.gy.M.S.&Co.R.	83	80	--	100' flat trawl
1547	24°28'	83°30'	6-17-56	1115-1445	210	--	83.5	79.9	50.2	100' flat trawl
1548	24°25'	83°22'	6-17-56	1635-2030	210	--	80	80	--	80' balloon trawl
1549	24°29'	83°31'	6-17-56	2135-0135	220	lt.gy.M.&Co.r.	78	80	--	80' balloon trawl
1550	24°28'	83°29'	6-18-56	0245-0645	212	M.S.	81	79	--	80' balloon trawl
1551	24°25'	83°23'	6-18-56	0750-1145	215	--	81	79.5	--	80' balloon trawl
1552	24°24'	83°15'	6-18-56	1505-1605	75	Co.	80	80	62.8	40' flat trawl
1553	24°42-45'	83°06-08'	6-18-56	--	28-30	--	--	78	--	40' flat trawl
1554	24°45'	83°06'	6-18-56	2335-0005	28	--	79	79	--	40' flat trawl
1555	24°55'	84°17'	6-19-56	0740-0915	215	Co.	85	81.5	--	Ballerina 76'
1556	26°24'	84°45'	6-19-56	1920-2230	210	lt.gy.M.	81	81	58.8	80' balloon trawl
1557	29°30'	87°10'	6-20-56	2140-2440	215	bl.M	79	73	52.9	80' balloon trawl
1558	29°41'	87°11'	6-21-56	0335-0435	100	--	79	78.5	57.9	40' flat trawl
1559	29°50'	87°14'	6-21-56	0558-0658	45	--	79	78.5	66.6	40' flat trawl
1560	30°14'	87°28'	6-21-56	1030-1100	5.5	S.	84	79	75.6	40' flat trawl
1561	29°14'	87°54'	6-22-56	0240-0500	200	gy.M.	79	80	72	72' balloon trawl
1562	29°13'	87°56'	6-22-56	0620-0850	210	M.	84	79.5	52	72' balloon trawl
1563	29°11'	88°03'	6-22-56	0950-1230	230	gy.M.	83.5	79.5	50.7	72' balloon trawl
1564	29°10'	88°08'	6-22-56	1335-1605	240	gy.M.	81	80.5	51.8	72' balloon trawl
1565	29°11'	88°02'	6-22-56	1710-2110	240	gy.M.	79	79	52.2	72' balloon trawl
1566	29°13'	87°54'	6-23-56	2220-0220	250	gy.M.	79	80	--	72' balloon trawl
1567	29°11'	88°05'	6-23-56	0335-0735	250	--	81	82	--	72' balloon trawl
1568	29°09'	88°12'	6-23-56	0835-1235	250	--	84	82.5	--	72' balloon trawl
1569	29°11'	88°02'	6-23-56	1320-1720	250	--	86	83.5	--	72' balloon trawl
1570	29°09'	88°14'	6-23-56	1810-2210	250	--	81	80.5	--	72' balloon trawl
1571	29°10'	88°07'	6-23/24-56	--	250	bd.M.	80.5	80	--	72' balloon trawl
1572	29°10'	88°10'	6-24-56	0550-0950	250	M.	91	80	--	72' balloon trawl
1573	29°12'	87°57'	6-24-56	1045-1445	250	S.	86	82	--	72' balloon trawl
1574	29°10'	88°07'	6-24-56	1545-1945	250	M.	80.5	81	--	72' balloon trawl
1575	29°12'	87°59'	6-24/25-56	--	250	M.Sh.	87	81	--	72' flat trawl
1576	29°10'	88°06'	6-25-56	0150-0550	250	M.Sh.	86	80	--	72' balloon trawl
1577	29°13'	87°55'	6-25-56	0640-1040	250	M.	83	83	--	72' balloon trawl
1578	29°11'	88°03'	6-25-56	1155-1545	250	M.	86	82	49.3	72' balloon trawl
1579	29°13'	87°56'	6-25-56	1650-2050	250	G.M.	80	81.5	--	72' balloon trawl
1580	29°10'	88°07'	6-25/26-56	2145-0145	250	M.	80	80.5	--	72' balloon trawl
1581	29°12'	87°57'	6-26-56	0245-0645	250	M.	82	80.5	--	72' balloon trawl
1582	28°58'	87°55'	7-20-56	0600-0955	900	--	83	83.5	--	Longline
1583	28°44'	88°08'	7-20-56	--	1000	--	86	84	--	Dip net
1584	28°45'	88°05'	7-21-56	0625-1000	1000	--	82	83	--	Longline
1585	28°20'	88°37'	7-21-56	--	900	--	84	84	--	Dip net
1586	28°17'	88°35'	7-22-56	0600-1000	900-1000	--	82	84	--	Longline
1587	28°17'	88°29'	7-22-56	--	1000	--	86	84.5	--	Dip net
1588	28°17'	88°33'	7-23-56	0635-1000	900	--	84	85	--	Longline
1589	28°47'	87°56'	7-23-56	--	1100	--	84	--	--	Dip net
1590	28°45'	88°03'	7-24-56	0605-0900	900	--	88	84	--	Longline
1591	28°50'	87°58'	7-24-56	--	800	--	83	84	--	Dip net
1592	28°51'	87°59'	7-25-56	0615-0930	800	--	83	84	--	Longline
1593	28°50'	87°58'	7-26-56	--	900	--	86	84.5	--	--
1594	28°59'	87°49'	7-26-56	0540-0830	800	--	83	85	--	Longline
1595	28°17'	88°35'	11-17-56	--	950	--	--	77	--	Longline
1596	26°59'	90°48'	11-18-56	--	1100	--	78	80	--	Longline
1597	26°20'	88°57'	11-19-56	0630-0830	1300	--	78	83.5	--	Longline
1598	24°33'	90°12'	11-20-56	0500-0630	2050	--	85	82	--	Longline
1599	22°22'	92°05'	11-21-56	--	1800	--	79.5	84	--	Longline
1600	20°12'	91°59'	11-23/24-56	--	11	R.Co.S.	--	--	--	Dip net
1601	20°10'	92°25'	11-24-56	--	930	--	82	82	--	Longline
1602	--	--	11-24-56	--	--	--	--	--	--	Dip net
1603	20°50'	93°00'	11-25-56	0730-1000	1160	--	77	--	--	Longline
1604	20°50'	93°00'	11-25-56	1400-1527	1160	--	78	82.5	--	Longline
1605	20°40'	92°55'	11-25/26-56	--	1160	--	--	--	--	Dip net
1606	20°55'	93°00'	11-26-56	--	1300	--	--	82	--	Longline
1607	--	--	11-26/27-56	--	15-20	Co.R.S.	--	--	--	Dip net
1608	--	--	11-29/30-56	--	--	--	--	--	--	Dip net
1609	28°06'	88°39'	11-30-56	--	800-1000	--	54	75	--	Longline
1610	28°30'	88°42'	12-4-56	0700-0927	755	--	77	75.5	--	Longline
1611	28°30'	88°42'	12-4/5-56	--	755	--	--	--	--	Dip net
1612	28°21'	88°44'	12-5-56	0630-0920	755	--	78	75.5	--	Longline
1613	--	--	12-5-56	1500-1610	755	--	76	76	--	Longline
1614	28°21'	88°42'	12-5/6-56	--	755	--	--	--	--	Dip net
1615	28°30'	88°45'	12-6-56	--	675	--	--	75	--	Longline
1616	28°30'	88°45'	12-6/7-56	--	675	--	--	76	--	Dip net
1617	28°29'	88°50'	12-7-56	--	645	--	78	76	--	Longline
1618	28°29'	88°50'	12-7/8-56	--	645	--	--	--	--	Dip net
1619	28°26'	88°46'	12-8-56	0700-1006	700	--	79	76	--	Longline
1620	28°25'	88°45'	12-8/9-56	--	755	--	--	--	--	Dip net
1621	28°30'	88°47'	12-9-56	--	675	--	74	76	--	Longline
1622	28°25'	88°43'	12-10-56	--	--	--	60	75.5	--	Longline
1623	28°25'	88°44'	12-10/11-56	--	755	--	66	--	--	Dip net
1624	28°50'	88°44'	12-11-56	--	755	--	73	75	--	Longline
1625	28°00'	88°45'	12-11/12-56	--	--	--	--	--	--	Dip net
1626	27°54'	88°45'	12-12-56	--	950	--	--	--	--	Longline
1627	29°34'	88°11'	1-7-57	--	20	S.	--	70.5	66.2	52' trawl
1628	29°34'	88°12'	1-8-57	0750-0800	20-22	S.	--	71	69.4	52/70' trawl
1629	29°27'	88°12'	1-8-57	1220-1235	26-27	--	--	72	70.2	52/70' trawl
1630	29°20'	88°16'	1-8-57	1555-1610	33	--	68	72	69.3	52/70' trawl
1631	29°25'	87°55'	1-8-57	2010-2025	37	--	--	72	65.8	52/70' trawl
1632	29°27'	87°48'	1-8-57	2240-2250	37	gy.S.Sh.		71.5	68.4	52/70' trawl
1633	29°27'	87°38'	1-9-57	0925-0935	37	R.	--	73	70.2	52/70' trawl
1634	29°26'	87°35'	1-9-57	1050-1100	--	--	--	--	--	52/70' trawl
1635	29°26'	87°35'	1-9-57	1410-1420	--	--	--	--	--	52/70' trawl
1636	29°39'	87°31'	1-9-57	1940-1945	32	S.	68	66.6	69	60' trawl
1637	29°45'	87°30'	1-9-57	2230-2240	20	S.	--	66.2	69	60' trawl
1638	29°50'	87°25'	1-10-57	1030-1040	18	--	73	69	66.6	60' trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1639	29°49'	87°19'	1-10-57	1425-1555	30	--	74	68.5	66.6	60' trawl
1640	29°59'	87°06'	1-10-57	1555-1600	30	S.	65	69.5	66.2	60' trawl
1641	29°37'	88°40'	1-18-57	0700-0900	8	S.	45	65.6	59.4	60' trawl
1642	29°46'	88°12'	1-18-57	1100-1215	20	--	46	70	69.1	60' trawl
1643	29°45'	88°12'	1-18-57	1400-1410	20	--	48	--	--	30' midwater trawl
1644	29°45'	88°12'	1-18-57	1500-1630	20	S.	57	73	--	30' midwater trawl
1645	29°47'	87°10'	1-21-57	1255-1335	70	--	70	--	--	30' midwater trawl
1646	29°50'	87°03'	1-21-57	1515-1725	98	--	70	--	--	30' midwater trawl
1647	30°17'	87°13'	1-23-57	0830-0850	7	S.	60	--	--	52/70' trawl
1648	30°11'	86°55'	1-23-57	--	17	S.	58	68	--	52/70' trawl
1649	30°18'	87°11'	1-24-57	--	7	S.	54	63.5	--	52/70' trawl
1650	30°19'	87°07'	1-24-57	1325-1415	4	S.	60	64	--	52/70' trawl
1651	29°46'	87°39'	1-24-57	--	20	--	65	--	--	52/70' trawl
1652	29°41'	87°43'	1-24-57	2110-2225	22	--	--	--	--	52/70' trawl
1653	29°41'	87°55'	1-24/25-57	2325-1225	22	--	--	--	--	52/70' trawl
1654	29°47'	88°25'	2-6-57	0605-0735	19	M.S.Sh.	68	72	64	52/70' trawl
1655	29°38'	88°20'	2-6-57	--	22	M.S.	73	74	70	52/70' trawl
1656	29°33'	88°18'	2-6-57	1110-1240	23	--	76	74	--	52/70' trawl
1657	29°28'	88°18'	2-6-57	1320-1430	27	--	76	77	--	52/70' trawl
1658	29°23'	88°19'	2-6-57	1455-1615	30	Co.M.	--	--	--	52/70' trawl
1659	29°30'	88°16'	2-6-57	1755-1885	27	--	70	75	--	52/70' trawl
1660	29°35'	88°22'	2-7-57	0550-0720	22	--	71	74	--	52/70' trawl
1661	29°41'	88°18'	2-7-57	0745-0900	21	M.	71	74	--	52/70' trawl
1662	29°29'	88°11'	2-7-57	1035-1145	26	--	74	75	--	52/70' trawl
1663	29°31'	88°07'	2-7-57	1225-1340	23	M.Sh.	72	75	70.1	52/70' trawl
1664	29°35'	88°06'	2-7-57	1415-1530	22	--	72	75	--	52/70' trawl
1665	29°35'	88°08'	2-7-57	1900-0000	22	--	70	--	--	Dip net
1666	29°35'	88°10'	2-8-57	--	22	M.Sh.	72	75	--	52/70' trawl
1667	29°32'	88°11'	2-8-57	0745-0900	23	M.Sh.	74	75	--	52/70' trawl
1668	29°32'	88°12'	2-8-57	1000-1115	23	--	74	75	--	52/70' trawl
1669	29°36'	88°10'	2-8-57	1200-1315	22	M.Sh.	76	75.5	--	52/70' trawl
1670	29°33'	88°10'	2-8-57	1340-1435	23	M.Sh.	76	75.5	--	52/70' trawl
1671	29°37'	88°08'	2-8-57	1520-1630	19	M.Sh.	89	76	--	52/70' trawl
1672	29°41'	85°34'	2-10-57	--	13	S.	85	73	--	8' scallop dredge
1673	29°27'	84°56'	2-10-57	2015-2100	10-12	S.	70	71	--	8' scallop dredge
1674	29°25'	84°56'	2-10-57	2125-2210	13	S.	70	71	--	--
1675	29°24'	84°57'	2-10-57	2230-2330	13	S.	70	71	--	8' scallop dredge
1676	29°18'	84°59'	2-11-57	2350-2450	13-15	S.	70	73	--	8' scallop dredge
1677	29°26'	84°58'	2-11-57	0220-0320	9	S.M.Gv.	70	73.5	--	8' scallop dredge
1678	29°26'	84°58'	2-11-57	--	9	S.Sh.	70	--	--	8' scallop dredge
1679	29°28'	84°50'	2-11-57	0515-0615	--	S.	70	--	--	8' scallop dredge
1680	29°30'	85°30'	2-11-57	1125-1225	14	--	66	72	--	8' scallop dredge
1681	29°40'	85°35'	2-11-57	1415-1515	14	S.R.	66	73	--	8' scallop dredge
1682	29°39'	85°42'	2-11-57	1530-1630	15	S.R.	78	72	--	8' scallop dredge
1683	29°38'	85°47'	2-11-57	1640-1740	18	S.	67	71.5	--	--
1684	29°44'	85°46'	2-11-57	1750-1850	17	S.Sh.	65	70.5	--	8' scallop dredge
1685	29°52'	85°44'	2-11-57	1905-2005	17	S.Sh.	64	70	--	8' scallop dredge
1686	29°52'	85°46'	2-11-57	2020-2120	17	S.Sh.	64	70	--	8' scallop dredge
1687	29°58'	85°45'	2-11-57	2155-2255	15	S.Sh.	58	71	--	8' scallop dredge
1688	29°55'	85°41'	2-11/12-57	--	12-14	S.Sh.	58	70	--	8' scallop dredge
1689	29°52'	85°36'	2-12-57	--	12-15	S.Sh.	55	70	--	8' scallop dredge
1690	29°47'	85°40'	2-12-57	0140-0240	15	S.Sh.	--	--	--	8' scallop dredge
16.1	29°44'	85°45'	2-12-57	0305-0405	16	S.Sh.	--	--	--	--
1692	30°04'	85°57'	2-12-57	--	16	Spg.Co.R.	50	--	--	8' scallop dredge
1693	30°10'	86°01'	2-12-57	0855-0955	14	--	51	--	--	8' scallop dredge
1694	30°15'	86°01'	2-12-57	1015-1115	9	S.Sh.	54	67.5	--	8' scallop dredge
1695	30°13'	85°56'	2-12-57	1125-1225	9	S.Sh.Spg.	62	69	--	8' scallop dredge
1696	30°09'	85°57'	2-12-57	1240-1255	5-12	Co.Sp.S.Sh.	60	68	--	8' scallop dredge
1697	30°07'	86°01'	2-12-57	1320-1420	12-14	Co.Sp.S.Sh.	61	64	--	8' scallop dredge
1698	30°05'	86°07'	2-12-57	1430-1530	17	Spg.R.S.	64	--	--	8' scallop dredge
1699	30°03'	86°12'	2-12-57	1540-1640	20	--	69	--	--	8' scallop dredge
1700	29°59'	86°13'	2-12-57	1650-1750	25	--	59	70	--	8' scallop dredge
1701	29°59'	86°17'	2-12-57	1800-1900	25	Sp.S.R.	58	69.5	--	8' scallop dredge
1702	30°04'	86°17'	2-12-57	2015-2115	20	Sp.Sh.S.	59	70	--	8' scallop dredge
1703	30°06'	86°12'	2-12-57	2130-2230	17	--	59	69.5	--	8' scallop dredge
1704	30°02'	86°13'	2-12-57	2240-2340	23	Spg.R.S.	58	70	--	8' scallop dredge
1705	29°57'	86°13'	2-12/13-57	2350-0050	25	Sp.R.S.	60	70	--	8' scallop dredge
1706	30°06'	87°04'	2-13-57	0600-0700	17	Spg.R.S.	61	--	--	8' scallop dredge
1707	30°02'	87°03'	2-13-57	0715-0815	27	Sp.S.R.	75	--	--	8' scallop dredge
1708	30°05'	87°03'	2-13-57	0830-0930	18	S.	60	--	--	8' scallop dredge
1709	30°07'	87°06'	2-13-57	0945-1045	13	S.	61	69	--	8' scallop dredge
1710	30°11'	87°04'	2-13-57	1055-1155	11	S.	62	70	--	8' scallop dredge
1711	30°03'	87°12'	2-13-57	1225-1330	21	--	65	71	--	8' scallop dredge
1712	30°03'	87°14'	2-13-57	1340-1440	21	S.	68	70	--	8' scallop dredge
1713	30°03'	87°14'	2-13-57	1450-1525	21	S.R.	72	70	--	8' scallop dredge
1714	30°02'	87°13'	2-13-57	1550-1620	17	S.	66	--	--	8' scallop dredge
1715	30°03'	87°14'	2-13-57	1630-1700	18	--	68	71	--	8' scallop dredge
1716	29°47'	85°38'	2-15-57	0610-0710	15	S.	66	69	--	52/70' trawl
1717	29°44'	85°35'	2-15-57	0730-0830	13	S.Sh.	67	--	--	52/70' trawl
1718	29°31'	85°20'	2-15-57	1025-1125	12	--	67	69	--	52/70' trawl
1719	29°00'	85°32'	2-16-57	0600-0620	8	R.Co.S.Sh.	66	67.5	--	52/70' trawl
1720	28°35'	85°31'	2-16-57	--	9	R.S.	66	68.5	--	60' trawl
1721	28°33'	85°08'	2-16-57	1230-1330	7	Spg.Co.	66	69	--	60' trawl
1722	28°25'	85°09'	2-16-57	1420-1520	7	Spg.Co.S.	68	68	--	60' trawl
1723	27°51'	85°21'	2-16/17-57	--	14	R.S.Co.Spg,Sh.	68	69	--	Dip net
1724	27°48'	85°21'	2-17-57	0610-0710	15-16	--	64	69	--	60' trawl
1725	27°42'	85°20'	2-17-57	0730-0830	16	S.	63	70.5	--	60' trawl
1726	29°50'	87°24'	2-20-57	0420-0520	20	S.Sh.	52	69	--	8' scallop dredge
1727	29°54'	87°30'	2-20-57	0535-0630	19	S.Sh.	52	69	--	8' scallop dredge
1728	29°56'	87°37'	2-20-57	0645-0745	16	S.Sh.	52	69	--	8' scallop dredge
1729	29°51'	87°44'	2-20-57	0750-0850	17	S.Sh.	--	--	--	8' scallop dredge
1730	29°50'	87°52'	2-20-57	0900-1000	17	--	52	69	--	8' scallop dredge
1731	29°44'	87°56'	2-20-57	1010-1110	20	S.Sh.	53	69	--	8' scallop dredge
1732	29°41'	88°02'	2-20-57	1120-1200	20	S.	54	69	--	8' scallop dredge
1733	29°38'	88°06'	2-20-57	--	21	S.	54	69	--	8' scallop dredge
1734	29°41'	88°06'	2-20-57	1355-1455	21	--	54	69	--	60' trawl
1735	29°37'	88°08'	2-20-57	1515-1615	21	--	54	69	--	60' trawl
1736	29°34'	88°13'	2-20-57	1630-1730	23	--	54	69	--	60' trawl
1737	29°30'	88°15'	2-21-57	0350-0450	27	S.	54	69	--	8' scallop dredge
1738	29°35'	88°18'	2-21-57	0500-0600	21	S.	55	70	--	8' scallop dredge
1739	30°08'	88°53'	3-5-57	1920-2020	6	S.Sh.	59	66	--	8' scallop dredge
1740	30°05'	88°48'	3-5-57	2035-2135	6	M.S.Sh.	59	66	--	8' scallop dredge
1741	30°03'	88°42'	3-5-57	2145-2245	7	bl.M.	59	68	--	8' scallop dredge
1742	29°51'	88°47'	3-5/6-57	2345-0045	5	bl.M.	60	68	--	8' scallop dredge
1743	29°46'	88°46'	3-6-57	0105-0200	6	M.	--	--	--	8' scallop dredge

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1744	29°42'	88°46'	3-6-57	0210-0310	6	--	--	--	--	8' scallop dredge
1745	28°42'	90°12'	3-6-57	1535-1635	20	gy.S.	59	--	--	8' scallop dredge
1746	28°42'	90°16'	3-6-57	1645-1745	16	--	59	--	--	8' scallop dredge
1747	28°44'	90°23'	3-6-57	1800-1900	11	M.Sh.R.	59	69	--	8' scallop dredge
1748	28°46'	90°47'	3-6-57	1955-2050	9	M.S.Sh.	60	70	--	8' scallop dredge
1749	28°46'	90°47'	3-6-57	2130-2225	9	M.Sh.S.	61	70	--	8' scallop dredge
1750	28°45'	90°59'	3-6-57	2305-0005	7	--	--	--	--	8' scallop dredge
1751	28°46'	91°17'	3-7-57	0125-0225	7.5	M.S.R.	--	--	--	8' scallop dredge
1752	28°52'	91°28'	3-7-57	0325-0425	8	M.R.	--	--	--	8' scallop dredge
1753	28°58'	91°49'	3-7-57	0605-0705	8	M.R.Sh.	54	68	--	8' scallop dredge
1754	29°12'	92°47'	3-8-57	1735-1830	10	R.S.M.	48	66	--	8' scallop dredge
1755	29°06'	92°48'	3-8-57	1845-1945	12	R.Sh.S.M.	49	67	--	8' scallop dredge
1756	29°00'	92°50'	3-8-57	1955-2055	13	--	50	68	--	8' scallop dredge
1757	28°53'	92°50'	3-8-57	2105-2205	13	--	52	68	--	8' scallop dredge
1758	28°48'	92°51'	3-8-57	2215-2315	15	Co.Sh.S.	55	69	--	--
1759	28°43'	92°51'	3-8/9-57	2325-0025	18	S.Sh.	55	68	--	--
1760	28°37'	92°53'	3-9-57	1240-0140	20	M.	58	68	--	--
1761	28°32'	92°53'	3-9-57	0150-0250	25	M.S.Sh.	58	70	--	8' scallop dredge
1762	28°36'	92°56'	3-9-57	0300-0400	23	S.Sh.M.	60	70	--	8' scallop dredge
1763	28°40'	93°01'	3-9-57	0415-0515	21	M.S.Sh.	62	70	--	8' scallop dredge
1764	28°45'	93°04'	3-9-57	0545-0645	17	M.S.Sh.	64	70	--	8' scallop dredge
1765	28°39'	93°05'	3-9-57	0700-0800	21	--	65	71	--	8' scallop dredge
1766	28°26'	93°20'	3-9-57	0805-0905	--	R.M.S.	66	70	--	8' scallop dredge
1767	28°21'	93°22'	3-9-57	0915-1015	--	--	66	72	--	8' scallop dredge
1768	28°16'	93°23'	3-9-57	1025-1125	34	S.	66	72	--	--
1769	28°00'	93°43'	3-9-57	--	50	R.Co.	68	72	--	Handline
1770	28°23'	93°44'	3-9-57	1810-2010	30	M.Sh.	63	72	66.4	8' scallop dredge
1771	28°28'	93°44'	3-9-57	2020-2120	25	M.Sh.	63	70.5	--	8' scallop dredge
1772	28°34'	93°46'	3-10-57	2125-2225	20	--	64	70	--	8' scallop dredge
1773	28°37'	93°48'	3-10-57	2235-2335	19	Sh.S.	64	69	66.2	8' scallop dredge
1774	28°41'	93°52'	3-10-57	2355-0055	14	S.	65	69	--	--
1775	28°46'	93°56'	3-10-57	0105-0205	13	--	65	69	--	8' scallop dredge
1776	28°52'	94°01'	3-10-57	0215-0315	13	S.Sh.	65	69	--	--
1777	28°59'	94°03'	3-10-57	0330-0430	11	--	65	69	--	8' scallop dredge
1778	29°18'	94°10'	3-10-57	0715-0815	8	gy.S.Sh.	65	65	--	8' scallop dredge
1779	29°17'	94°04'	3-10-57	0830-0930	8	--	64	65	--	8' scallop dredge
1780	29°17'	93°57'	3-10-57	0945-1040	8	--	66	65	--	--
1781	29°17'	93°52'	3-10-57	1110-1210	8	--	68	66	--	8' scallop dredge
1782	29°15'	93°57'	3-10-57	1220-1305	8	S.Sh.	69	66	--	--
1783	29°14'	94°02'	3-10-57	1325-1420	8	S.Sh.Grs.	66	65	--	8' scallop dredge
1784	28°52'	94°52'	3-13-57	--	10.5	M.	66.5	69	63	60' trawl
1785	28°28'	94°50'	3-13-57	1730-1800	23	R.Co.	68	72	--	60' trawl
1786	28°05'	94°54'	3-13-57	2050-2150	31	--	69	--	--	60' trawl
1787	28°07'	94°53'	3-14-57	0710-0810	29	--	72	73	--	--
1788	28°08'	95°00'	3-14-57	0830-0930	29	--	73	73	70.2	68/80' trawl
1789	28°07'	95°03'	3-14-57	1000-1100	31	--	73	73	--	68/80' trawl
1790	28°06'	95°08'	3-14-57	1120-1220	31	--	75	73.5	--	68/80' trawl
1791	28°03'	95°10'	3-14-57	1245-1345	33	--	75	73.5	--	68/80' trawl
1792	28°00'	95°10'	3-14-57	1410-1510	39	M.	76	73.5	--	68/80' trawl
1793	27°53'	95°18'	3-14-57	1615-1715	53	--	73	73.5	68	68/80' trawl
1794	27°57'	94°55'	3-15-57	--	50	R.	--	--	--	Handline
1795	28°04'	94°51'	3-16-57	--	35	M.Rk.	68	75	67	68/80' trawl
1796	28°04'	94°44'	3-16-57	0850-0950	31	Sp.M.	73	75	--	--
1797	28°04'	94°44'	3-16-57	1020-1120	32	Spg.	73	75	--	--
1798	28°04'	94°50'	3-16-57	1140-1240	32	--	71	75	--	68/70' trawl
1799	28°14'	94°48'	3-16-57	1350-1430	25	--	72	73	--	68/80' trawl
1800	28°10'	94°40'	3-16-57	1540-1635	30	--	70	73	--	68/80' trawl
1801	28°09'	94°36'	3-16-57	1655-1705	30	Rk.Sp.M.	70	73	--	68/80' trawl
1802	28°22'	94°44'	3-17-57	0710-0810	26	M.	70	71.5	--	68/80' trawl
1803	28°08'	94°50'	3-17-57	1330-1430	40	M.	72	73	--	--
1804	--	--	5-31-57	--	--	S.	80	78	--	Bait lift net
1805	--	--	6-1-57	--	--	S.	80	85	--	Trap lift net
1806	28°33'	87°58'	6-3-57	--	1245	--	90	85	--	Jackpoles
1807	29°06'	88°11'	6-4-57	--	350	--	84	85	--	Jackpoles
1808	29°02'	88°11'	6-4-57	--	442	--	88	85	--	Jackpoles
1809	29°03'	87°52'	6-4-57	--	780	--	88	85	--	Jackpoles
1810	29°03'	87°52'	6-4-57	--	780	--	88	85	--	Dip net
1811	29°00'	87°41'	6-5-57	--	900	--	85	85	--	Jackpoles
1812	--	--	6-6-57	--	3	--	85	85	--	Trap net
1813	30°13'	88°30'	6-7-57	--	4	M.	82	85	--	Trap lift net
1814	30°05'	88°33'	6-7-57	--	11	--	82	85	--	Trap lift net
1815	--	--	6-8-57	--	4	--	84	85	--	Trap lift net
1816	30°02'	88°33'	6-8-57	--	5	--	82	85	--	Trap lift net
1817	30°13'	88°58'	6-9-57	--	5	--	83	85	--	Trap lift net
1818	28°43'	87°40'	6-9-57	--	1320	--	83	87	--	Dip net
1819	28°47'	87°35'	6-10-57	--	1300	--	82	86	--	Jackpoles
1820	28°40'	88°12'	6-10-57	--	1050	--	82	86	--	Dip net
1821	29°01'	87°51'	6-11-57	--	780-950	--	84	86	--	Jackpoles
1822	28°53'	87°30'	6-11-57	--	957	--	83	86	--	Dip net
1823	29°00'	87°30'	6-12-57	--	925	--	82	88	--	Jackpoles
1824	29°00'	87°33'	6-12-57	--	925	--	84	87	--	Dip net
1825	29°03'	87°33'	6-13-57	--	852	--	82	88	--	Jackpoles
1826	--	--	6-14-57	--	--	--	82	85	--	Dip net
1827	30°20'	87°18'	6-16-57	--	6	--	84	86	--	Trap net
1828	29°01'	87°41'	6-17-57	--	980-400	--	88	88	--	Jackpoles
1829	28°52'	87°44'	6-17-57	--	1050	--	88	88	--	Dip net
1830	29°00	87°44'	6-18-57	--	250-900	--	85	87	--	Jackpoles
1831	30°00'	88°43'	6-19-57	--	9	--	88	88	--	Trap net
1832	--	--	6-19-57	--	3-4	--	88	88	--	Trap net
1833	30°13'	88°37'	6-20-57	--	4	--	84	86	--	Trap lift net
1834	30°13'	88°29'	6-21-57	--	3	--	84	86	--	Trap lift net
1835	28°55'	87°30'	6-21-57	--	1000	--	86	87	--	Dip net
1836	29°13'	87°51'	6-22-57	--	1200-250	--	86	87	--	Jackpoles
1837	23°48'	89°15'	6-25-57	--	150-25	--	82	85	--	Jackpoles
1838	25°00'	87°30'	6-27-57	--	1100-1200	--	80	85	--	Jackpoles
1839	30°13'	88°29'	6-28-57	--	3	--	80	86	--	Trap lift net
1840	--	--	7-10-57	--	4	--	--	--	--	Trap lift net
1841	20°12'	91°59'	7-12-57	--	6	--	--	86	--	Trap lift net
1842	20°12'	91°59'	7-13-57	--	6	--	--	86	--	Trap lift net
1843	20°12'	91°59'	7-14-57	--	6	--	82	86	--	Trap lift net
1844	22°07'	91°25'	7-15-57	--	9	--	84	86	--	Trap lift net
1845	22°10'	92°15'	7-16-57	0720-1145	1600-1700	--	84	87	--	Longline

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1846	22°18	92°30'	7-17-57	0700-1145	1830	--	88	86.5	--	Longline
1847	20°52'	92°45'	7-18-57	0550-0910	1300-1500	--	85-90	86	--	Longline
1848	20°12'	91°59'	7-18-57	--	6	--	--	86	--	Trap lift net
1849	22°07'	91°25'	7-19-57	R.S.	7	--	83	86	--	Trap lift net
1850	22°07'	91°25'	7-20-57	--	7	--	83	86	--	Trap lift net
1851	22°30'	89°47'	7-21-57	--	5	--	83	86	--	Trap lift net
1852	--	--	7-22-57	--	25-1000	--	90	86	--	Jackpoles
1853	22°30'	89°47'	7-22-57	--	5	--	83	86	--	Trap lift net
1854	--	--	7-23-57	--	20-1100	--	87	86	--	Jackpoles
1855	21°38	92°25'	7-24-57	--	40-1200	--	86	86	--	Jackpoles
1856	20°13'	91°59'	7-25-57	--	10	--	82	86	--	Trap lift net
1857	--	--	7-25-57	--	20-1000	--	82	86	--	Jackpoles
1858	--	--	7-25-57	--	10	--	82	86	--	Trap lift net
1859	20°55'	92°14'	7-26-57	--	--	--	83	86	--	Jackpoles
1860	23°60'	92000'	7-27-57	--	1900-1500	--	83	87	--	Jackpoles
1861	--	--	8-13-57	--	3½	--	82	--	--	Trap lift net
1862	28°51'	88°03'	8-14-57	0830-1215	980	--	104	86	38	Longline
1863	16°22'	83°31'	8-20-57	--	165-170	lt.gy.M.	83	86	57.2	40' flat trawl
1864	16°23'	83°20'	8-21-57	0430-0438	55	lt.gy.M.Co.	86	87	--	40' flat trawl
1865	16°20'	83°20'	8-21-57	0615-0630	42	lt.gy.M.	86	87	--	40' flat trawl
1866	16°30'	83°30'	8-21-57	0930-0945	38	crs.S.	85	86	76.6	40' flat trawl
1867	16°38'	82°43'	8-21-57	1545-1625	140	lt.gy.M.	84	87	--	40' flat trawl
1868	16°36'	82°37'	8-21-57	1720-1820	175	gy.M.	84	87	--	40' flat trawl
1869	16°38'	82°34'	8-21-57	1935-2035	205-210	gy.M.	84	86	--	40' flat trawl
1870	16°39'	82°29'	8-21-57	--	225	gy.M.	84	86	--	40' flat trawl
1871	16°39'	82°26'	8-22-57	0015-0200	250	gy.M.	85	86	--	40' flat trawl
1872	16°41'	82°20'	8-22-57	0310-0410	300	wh.M.	85	86	--	40' flat trawl
1873	16°40'	82°12'	8-22-57	0600-0640	56	Co.	85	86	--	40' flat trawl
1874	16°43'	81°57'	8-22-57	0940-1010	50	Co.	85	86	--	40' flat trawl
1875	16°39'	81°59'	8-22-57	1055-1155	60	Co.Spg.	85	86	--	40' flat trawl
1876	16°45'	81°53'	8-22-57	1350-1450	100	Co.Spg.	85	87	--	40' flat trawl
1877	16°40'	81°47'	8-22-57	1615-1700	100	Co.Spg.	82	87	--	40' flat trawl
1878	16°39'	81°43'	8-22-57	1740-1825	125	Co.	80	85	--	40' flat trawl
1879	16°38'	81°39'	8-22-57	1900-1945	150	Co.	83	85	--	40' flat trawl
1880	16°43'	81°34'	8-22-57	2030-2115	175	Co.	79	85	--	40' flat trawl
1881	16°50'	81°33'	8-22-57	--	170	Co.	78	85	--	40' flat trawl
1882	16°45'	81°28'	8-23-57	0400-0500	160	Co.	84	85	--	40' flat trawl
1883	16°52'	81°30'	8-23-57	0655-0755	200	Co.	84	85	--	40' flat trawl
1884	16°53'	81°22'	8-23-57	0845-0945	225	gy.M.	85	85	--	40' flat trawl
1885	16°54'	81°18'	8-23-57	1100-1200	250	Co.	85	86	--	40' flat trawl
1886	16°55'	81°12'	8-23-57	--	275	gy.Cl.	85	86	--	40' flat trawl
1887	16°55'	81°10'	8-23-57	1500-1700	300	gy.M.	82	86	--	40' flat trawl
1888	16°41'	81°02'	8-23-57	2315-2400	250	M.	82	85	--	40' flat trawl
1889	16°39'	81°01'	8-24-57	0050-0250	250	M.	82	85	--	40' flat trawl
1890	16°35'	80°55'	8-24-57	0730-0805	100	Co.Spg.	83	85	--	40' flat trawl
1891	16°07'	81°05'	8-24-57	1255-1350	130	--	88	86	--	40' flat trawl
1892	15°30'	81°04'	8-24-57	2030-2045	16	Spg.Co.	82	85	--	40' flat trawl
1893	15°15'	81°15'	8-25-57	2445-2450	110	--	82	85	--	40' flat trawl
1894	15°15'	81°19'	8-25-57	0230-0300	145	--	84	85	--	40' flat trawl
1895	14°40'	81°25'	8-25-57	0945-1000	300	--	85	85	--	40' flat trawl
1896	13°27'	81°33'	8-30-57	0730-1140	1216	--	84	--	--	Longline
1897	11°37'	80°15'	8-31-57	--	1900	--	84	--	--	Longline
1898	09°51'	80°44'	9-6-57	0550-1140	900	--	--	--	--	Longline
1899	10°55'	82°00'	9-7-57	0545-1138	1200	--	87	85	--	Longline
1900	10°40'	82°50'	9-8-57	0555-1140	1130	--	90	86	--	Longline
1901	11°20'	82°50'	9-9-57	--	1180	--	80	--	--	Longline
1902	11°27'	83°11'	9-9-57	--	135	--	--	85	--	40' flat trawl
1903	11°31'	83°09'	9-9-57	2135-2210	150	S.	81	85	--	40' flat trawl
1904	11°34'	83°07'	9-9/10-57	2330-2355	125	sft.yl.M.S.	82	--	--	40' flat trawl
1905	12°22'	82°27'	9-11-57	0905-0950	275	--	85	85	--	40' flat trawl
1906	12°19'	82°27'	9-11-57	1040-1140	325	--	85	85	--	40' flat trawl
1907	12°25'	82°23'	9-11-57	1250-1350	400-425	--	86	85	--	40' flat trawl
1908	12°33'	82°20'	9-11-57	1525-1625	350	--	82	85	--	40' flat trawl
1909	12°35'	82°19'	9-11-57	1755-1855	350	--	81	85	--	40' flat trawl
1910	12°40'	82°18'	9-11-57	2010-2110	350	gy.M.	81	85	--	40' flat trawl
1911	12°44'	82°14'	9-11/12-57	2250-2350	350	--	81	85	--	40' flat trawl
1912	12°49'	82°15'	9-12-57	0105-0205	325	--	80	85	--	40' flat trawl
1913	12°54'	82°15'	9-12-57	0325-0425	300	--	75	85	--	40' flat trawl
1914	13°06'	82°13'	9-12-57	0525-0630	350	--	75	85	--	40' flat trawl
1915	13°13'	82°13'	9-12-57	0745-0845	350	yl.M.	75	85	--	40' flat trawl
1916	13°18'	82°12'	9-12-57	1020-1120	350	Co.	87	85	--	40' flat trawl
1917	13°20'	82°02'	9-12-57	1640-1740	325	gy.M.	82	85	--	40' ballerina trawl
1918	13°25'	82°01'	9-12-57	1845-1945	300	--	80	85	--	40' ballerina trawl
1919	13°30'	82°00'	9-12-57	2100-2200	275-300	--	80	85	--	40' ballerina trawl
1920	13°31'	81°54'	9-12-57	2305-0005	300	--	81	85	--	40' ballerina trawl
1921	13°33'	81°55'	9-13-57	0140-0240	275	--	82	85	--	40' ballerina trawl
1922	13°34'	81°53'	9-13-57	0355-0455	275	--	82	85	--	40' ballerina trawl
1923	13°39'	81°52'	9-13-57	0605-0705	275	--	83	85	--	40' ballerina trawl
1924	12°56'	82°12'	9-13-57	0820-0920	275	--	82	85	--	40' ballerina trawl
1925	12°52'	82°11'	9-13-57	1030-1130	250	--	83	85	--	40' ballerina trawl
1926	12°55'	82°16'	9-13-57	1240-1340	300	--	83	85	--	40' ballerina trawl
1927	13°07'	82°08'	9-13-57	1530-1630	300	--	82	85	--	40' ballerina trawl
1928	13°14'	82°06'	9-13-57	1845-1945	300	--	82	85	--	40' ballerina trawl
1929	13°22'	82°04'	9-13-57	2150-2250	300	--	82	85	--	40' ballerina trawl
1930	13°30'	81°57'	9-14-57	0055-0140	300	--	83	85	--	40' flat trawl
1931	13°56'	81°56'	9-14-57	0610-0710	275	--	82	85	--	40' flat trawl
1932	13°58'	81°42'	9-14-57	0940-1040	300	--	85	85	--	40' flat trawl
1933	14°08'	81°43'	9-14-57	1310-1410	300	--	84	86	--	40' flat trawl
1934	16°00'	82°05'	9-15-57	1225-1325	21	Spg.Sh.Algae	85	--	--	40' flat trawl
1935	15°57'	82°06'	9-15-57	1340-1440	21	Spg.wh.S.	86	86	--	40' flat trawl
1936	15°54'	82°06'	9-15-57	1500-1600	21	Sp.wh.S.	85	86	--	40' flat trawl
1937	16°02'	82°07'	9-15-57	1750-1850	21	Spg.wh.S.	--	86	--	40' flat trawl
1938	16°05'	82°05'	9-15-57	1945-2045	24	Spg.wh.S.	83	86	--	40' flat trawl
1939	16°40'	82°30'	9-16-57	0215-0315	300	--	83	86	--	40' flat trawl
1940	16°41'	82°26'	9-16-57	0420-0520	374-450	--	85	86	--	40' flat trawl
1941	16°38'	82°14'	9-16-57	0740-0745	300	--	86	86	--	40' flat trawl
1942	16°42'	82°40'	9-16-57	1135-1235	300	--	86	87	--	40' flat trawl
1943	16°43'	82°44'	9-16-57	1405-1505	275	--	88	87	--	40' flat trawl
1944	16°43'	82°51'	9-16-57	1625-1655	275	--	82	86	--	40' flat trawl
1945	16°41'	82°40'	9-16-57	2100-2200	250-300	--	81	86	--	40' flat trawl
1946	16°42'	82°36'	9-16-57	2320-0020	300	--	81	86	--	40' flat trawl
1947	16°42'	82°33'	9-17-57	0135-0235	300	--	81	86	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1948	16°42'	82°30'	9-17-57	0510-0610	300	--	83	86	--	40' flat trawl
1949	16°45'	82°25'	9-17-57	0735-0835	300	--	84	86	--	40' flat trawl
1950	16°43'	82°22'	9-17-57	0950-1050	300	--	84	87	--	40' flat trawl
1951	16°45'	82°19'	9-17-57	1230-1315	300	--	83	87	--	40' flat trawl
1952	16°46'	82°16'	9-17-57	1450-1550	300	--	83	87	--	40' flat trawl
1953	16°46'	82°13'	9-17-57	1705-1805	300	--	83	87	--	40' flat trawl
1954	16°45'	82°20'	9-17-57	2010-2110	300	--	83	86	--	40' flat trawl
1955	16°48'	82°33'	9-17-57	2355-0055	550	--	83	86	--	40' flat trawl
1956	17°24'	83°57'	9-18/19-57	--	4	R.S.Co.	--	--	--	Trap lift net
1957	17°24'	83°57'	9-19-57	--	4	--	--	--	--	Trap lift net
1958	17°36'	83°57'	9-20-57	--	3000	--	84	86	--	Jackpoles
1959	28°55'	89°00'	9-23-57	--	1240	--	82	--	--	Jackpoles
1960	27°25'	89°10'	9-23-57	--	1077	--	86	86	--	Jackpoles
1961	29°10'	88°12'	9-24-57	0740-0840	210-215	M.	80	--	--	40' flat trawl
1962	29°11'	88°07'	9-24-57	0925-1025	225	M.	82	85	--	40' flat trawl
1963	29°11'	88°03'	9-24-57	1115-1315	240	M.	77	--	--	40' flat trawl
1964	29°14'	87°53'	9-24-57	1410-1610	250	M.	76	84.5	--	40' flat trawl
1965	29°12'	88°02'	9-24-57	1700-1900	240-250	M.	76	84	--	40' flat trawl
1966	29°13'	87°55'	9-24-57	2010-2210	240	M.	76	--	--	40' flat trawl
1967	29°14'	87°51'	9-25-57	0045-0145	230	M.	77	84	--	40' flat trawl
1968	29°13'	88°00'	9-25-57	0335-0535	225	M.	81	84	--	40' flat trawl
1969	29°10'	88°11'	9-25-57	0630-0830	230-245	M.	80	84.5	--	40' flat trawl
1970	29°12'	88°03'	9-25-57	0925-1125	230-240	M.S.	79.5	84.5	--	40' flat trawl
1971	29°13'	87°54'	9-25-57	1225-1425	250	M.	82	84.5	--	40' flat trawl
1972	29°12'	88°00'	9-25-57	1510-1610	250	M.	82	84	--	40' flat trawl
1973	--	--	10-16-57	--	4	--	80	--	--	Trap lift net
1974	24°48'	81°30'	10-20-57	--	4	--	80	--	--	Trap lift net
1975	19°33'	68°41'	10-26-57	0445-0545	1000-7	--	88	86	--	Longline
1976	19°28'	66°00'	10-27-57	0455-0800	4530	--	83	85.5	--	Longline
1977	17°54'	65°07'	10-28-57	0450-0700	2500	--	82	86	--	Longline
1978	15°20'	64°08'	10-29-57	0550-0700	1865	--	80	86	--	Longline
1979	13°17'	63°02'	10-30-57	0450-0700	790	--	82	86	--	Longline
1980	10°10'	59°54'	11-3-57	--	350	bu.M.	84	85	58.6	40' flat trawl
1981	10°03'	60°01'	11-3-57	0815-0945	200	--	82	85	61.9	40' flat trawl
1982	10°00'	59°59'	11-3-57	1105-1305	250	--	84	85	63.9	40' flat trawl
1983	09°55'	59°53'	11-3-57	1520-1610	125	--	83	--	--	40' flat trawl
1984	09°45'	59°45'	11-3-57	1820-1950	200	bu.M.	83	--	--	40' flat trawl
1985	09°41'	59°47'	11-3-57	2100-2215	150	bu.M.	80	85	--	40' flat trawl
1986	09°39'	59°47'	11-4-57	2305-0020	100	bu.M.	80	85	--	40' flat trawl
1987	09°36'	59°44'	11-4-57	0115-0215	80	--	80	85	--	40' flat trawl
1988	09°24'	59°41'	11-4-57	0410-0515	110	--	78	85	--	40' flat trawl
1989	09°45'	59°45'	11-4-57	0755-0955	--	--	80	85	--	40' flat trawl
1990	09°40'	59°40'	11-4-57	--	200	Co.	85	--	--	40' flat trawl
1991	09°17'	59°19'	11-4-57	1650-1800	250	Co.	82	86	--	40' flat trawl
1992	09°16'	59°15'	11-4-57	1955-2005	275	--	82	86	--	45' ballerina trawl
1993	09°03'	59°00'	11-4-57	2255-2310	75	Co.Sp.	82	--	--	40' flat trawl
1994	08°10'	57°52'	11-5-57	1055-1115	50	--	84	86	--	40' flat trawl
1995	08°04'	57°50'	11-5-57	1225-1240	40	--	84	85	--	40' flat trawl
1996	08°04'	57°50'	11-5-57	1300-1400	40	--	84	85	--	40' flat trawl
1997	07°55'	57°48'	11-5-57	1500-1600	34	Co.	82	85	--	40' flat trawl
1998	07°55'	57°38'	11-5-57	--	40	--	81	--	--	40' flat trawl
1999	07°55'	57°34'	11-5-57	1905-2005	43	--	81	--	--	45' ballerina trawl
2000	07°55'	57°30'	11-5-57	2045-2145	45	--	--	--	--	45' ballerina trawl
2001	07°55'	57°25'	11-5-57	2300-2400	50	--	80	85	--	45' ballerina trawl
2002	07°52'	57°22'	11-6-57	0110-0210	60	--	80	85	--	45' ballerina trawl
2003	07°52'	57°19'	11-6-57	0315-0415	70	--	80	86	--	45' ballerina trawl
2004	07°44'	56°52'	11-6-57	0530-0625	200	--	83	66	55.8	40' flat trawl
2005	07°34'	54°50'	11-6-57	2305-0205	200	--	80	--	--	40' flat trawl
2006	07°36'	54°42'	11-7-57	0345-0700	225	bu.M.	80	86	--	40' flat trawl
2007	07°34'	54°49'	11-7-57	0750-0950	225	bu.M.	80	86	47.5	40' flat trawl
2008	07°38'	54°43'	11-7-57	1050-1235	250	bu.M.	82	86	48.7	40' flat trawl
2009	07°40'	54°47'	11-7-57	1500-1800	300	bu.M.	84	86	--	40' flat trawl
2010	07°44'	54°40'	11-7-57	1910-2216	350	--	80	--	--	40' flat trawl
2011	07°46'	54°36'	11-7-57	2330-0230	400	--	80	84	--	40' flat trawl
2012	07°34'	54°19'	11-8-57	0610-0810	150	--	84	84	--	40' flat trawl
2013	07°30'	54°16'	11-8-57	0910-1110	125	--	--	--	--	40' flat trawl
2014	07°32'	54°12'	11-8-57	1205-1230	100	--	--	--	--	40' flat trawl
2015	07°38'	54°11'	11-8-57	1330-1530	75	--	84	84	--	40' flat trawl
2016	07°18'	54°08'	11-8-57	1800-1900	50	--	80	84	--	40' flat trawl
2017	07°12'	54°08'	11-8-57	1950-2050	40	--	80	84	--	40' flat trawl
2018	07°05'	54°08'	11-8-57	2150-2250	35	--	80	84	--	40' flat trawl
2019	06°56'	54°05'	11-8-57	0030-0130	30	S.Sh.	--	--	--	40' flat trawl
2020	06°50'	54°04'	11-9-57	--	28	--	81	--	--	40' flat trawl
2021	07°18'	53°32'	11-9-57	0810-0935	100	--	84	85	--	40' flat trawl
2022	07°15'	53°25'	11-9-57	1055-1255	115	--	88	85	--	40' flat trawl
2023	07°15'	53°21'	11-9-57	1330-1530	135	--	88	85	--	40' flat trawl
2024	07°15'	53°15'	11-9-57	1610-1800	160	gy.M.	--	--	--	40' flat trawl
2025	07°12'	53°11'	11-9-57	--	180	bu.M.	79	86	--	40' flat trawl
2026	07°10'	07°12'	11-9-57	2125-2325	200	gn.M.	81	86	--	40' flat trawl
2027	07°12'	53°02'	11-10-57	2430-0230	225	--	80	86	--	40' flat trawl
2028	07°11'	52°58'	11-10-57	0330-0630	250	--	80	85	--	40' flat trawl
2029	07°11'	52°56'	11-10-57	0730-1030	275	--	84	85	--	40' flat trawl
2030	07°10'	52°55'	11-10-57	1140-1440	300	M.	80	85	--	40' flat trawl
2031	07°10'	52°50'	11-10-57	1615-1915	350	M.	80	86.5	--	40' flat trawl
2032	06°39'	52°53'	11-10-57	2330-0020	50	--	--	--	--	40' flat trawl
2033	06°29'	52°52'	11-11-57	0155-0255	40	--	--	--	--	40' flat trawl
2034	06°25'	52°50'	11-11-57	0340-0440	36	--	--	--	--	40' flat trawl
2035	06°20'	52°51'	11-11-57	0650-0750	35	--	84	--	--	40' flat trawl
2036	06°13'	52°53'	11-11-57	1000-1100	30	--	82	86	--	40' flat trawl
2037	05°51'	53°00'	11-11-57	1600-1700	19	--	--	--	--	40' flat trawl
2038	05°46'	53°00'	11-11-57	1740-1840	15	--	--	--	--	40' flat trawl
2039	05°47'	52°55'	11-11-57	1935-2035	20	S.Sh.	82	--	--	40' flat trawl
2040	05°49'	52°50'	11-11-57	2125-2225	20	--	80	86	--	40' ballerina trawl
2041	05°55'	52°46'	11-12-57	2330-0030	25	--	80	86	--	45' ballerina trawl
2042	05°57'	52°45'	11-12-57	--	30	--	80	86	--	45' ballerina trawl
2043	05°58'	52°44'	11-12-57	0205-0305	31	--	80	86	--	45' ballerina trawl
2044	05°52'	52°03'	11-12-57	1535-1635	40	--	80	86	--	45' ballerina trawl
2045	05°46'	52°02'	11-12-57	1805-1905	38	--	80	86	--	45' ballerina trawl
2046	05°39'	51°56'	11-12-57	2040-2140	37	--	80	86	--	40' flat trawl
2047	05°35'	51°50'	11-12-57	2305-2405	38	--	--	--	--	40' flat trawl
2048	04°00'	50°35'	11-13-57	1520-1620	28	M.Sh.	86	--	--	40' flat trawl
2049	04°02'	50°33'	11-13-57	1640-1740	38	M.	--	--	--	40' flat trawl
2050	04°04'	50°32'	11-13-57	1810-1910	40	M.Sh.	81	--	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2051	04°05'	50°27'	11-13-57	2000-2100	50	--	--	--	--	40' flat trawl
2052	04°03'	50°26'	11-13-57	--	50	--	--	--	--	40' flat trawl
2053	04°02'	50°22'	11-13-57	2240-2340	50	--	80	86	--	40' flat trawl
2054	--	--	11-14-57	0050-0140	50	--	80	86	--	40' flat trawl
2055	02°34'	49°18'	11-14-57	1600-1700	10	--	80	86	--	40' flat trawl
2056	02°32'	49°17'	11-14-57	1720-1820	10-12	--	78	86	--	40' flat trawl
2057	02°31'	49°10'	11-14-57	1950-2050	15	--	80	86	--	40' flat trawl
2058	02°29'	48°58'	11-14-57	2205-2305	20	--	80	86	--	40' flat trawl
2059	02°29'	48°55'	11-15-57	0015-0045	23	M.	--	--	--	40' flat trawl
2060	02°29'	48°54'	11-15-57	0105-0205	47	--	--	--	--	40' flat trawl
2061	02°31'	48°48'	11-15-57	0300-0400	55-60	M.	--	--	--	40' flat trawl
2062	02°40'	48°39'	11-15-57	0500-0600	55	--	86	83.5	--	40' flat trawl
2063	02°35'	48°14'	11-15-57	0940-1040	53	S.	88	84.5	--	40' flat trawl
2064	02°32'	47°56'	11-15-57	1405-1505	60-65	--	82	84.5	--	40' flat trawl
2065	02°40'	47°56'	11-15-57	1000-1020	63	--	--	--	--	40' flat trawl
2066	02°40'	47°55'	11-15-57	1705-1805	110	--	--	--	--	40' flat trawl
2067	02°41'	47°48'	11-15-57	1925-2000	180	--	81	--	--	40' flat trawl
2068	02°35'	47°48'	11-15-57	2115-2215	120	--	83	85	--	40' flat trawl
2069	02°30'	47°50'	11-15-57	2350-0050	65	--	82	85	--	40' flat trawl
2070	02°15'	48°08'	11-16-57	1620-1720	45	--	77	85	--	40' flat trawl
2071	02°14'	48°10'	11-16-57	1740-1840	42	--	78	83.5	--	40' flat trawl
2072	02°10'	48°12'	11-16-57	1925-2025	35-25	--	78	83.5	--	40' flat trawl
2073	02°08'	48°14'	11-16-57	2050-2150	25-30	--	78	83.5	--	40' flat trawl
2074	02°00'	48°19'	11-16-57	--	25	--	78	83.5	--	40' flat trawl
2075	01°57'	48°15'	11-17-57	0120-0220	26	--	--	--	--	40' flat trawl
2076	01°57'	48°12'	11-17-57	0315-0420	30	--	--	--	--	40' flat trawl
2077	01°56'	47°49'	11-17-57	0815-0915	30	--	82	83.5	--	40' flat trawl
2078	01°50'	47°28'	11-17-57	1022-1122	40	--	82	83.5	--	40' flat trawl
2079	01°50'	47°31'	11-17-57	1330-1430	45	--	82	83.5	--	40' flat trawl
2080	02°04'	47°00'	11-17-57	1725-1825	125	--	80	83.5	--	40' flat trawl
2081	01°52'	46°54'	11-17-57	2135-2235	175	R.	80	83	--	40' flat trawl
2082	01°51'	46°50'	11-17-57	2340-0055	200	--	82	83	--	40' flat trawl
2083	01°49'	46°48'	11-18-57	0200-0400	225	--	80	83	--	40' flat trawl
2084	01°45'	46°46'	11-18-57	0520-0720	275	--	84	83	--	40' flat trawl
2085	01°37'	46°45'	11-18-57	0945-1045	65-65	--	86	83	--	40' flat trawl
2086	01°28'	46°47'	11-18-57	1210-1310	45	--	88	--	--	40' flat trawl
2087	01°20'	46°50'	11-18-57	1507-1508	35	--	84	83	--	40' flat trawl
2088	01°10'	46°52'	11-18-57	1700-1715	30	--	84	83	--	40' flat trawl
2089	01°05'	46°54'	11-18-57	1810-1840	30	--	82	83	--	40' flat trawl
2090	00°56'	46°56'	11-18-57	2000-2035	30	--	82	83	--	40' flat trawl
2091	00°33'	47°03'	11-18-57	--	20	--	82	83	--	40' flat trawl
2092	00°23'	47°05'	11-19-57	0120-0150	21	--	--	--	--	40' flat trawl
2093	29°21'	88°55'	1-30-58	0950-1010	15-18	br.M.	56	65	--	30' midwater trawl
2094	29°21'	88°52'	1-30-58	1040-1112	15-18	M.	56	65	--	30' midwater trawl
2095	29°21'	88°57'	1-30-58	1206-1345	15-18	M.	56	65	--	30' midwater trawl
2096	29°22'	88°57'	1-30-58	1510-1545	15-18	M.	60	65	--	30' midwater trawl
2097	29°25'	88°50'	1-31-58	0520-0550	11-13	M.	60	63-65	--	30' midwater trawl
2098	29°25'	88°48'	1-31-58	0610-0655	11-13	M.	60	65-63	--	30' midwater trawl
2099	29°26'	88°52'	1-31-58	0825-0845	9-12	M.	60	65	--	30' midwater trawl
2100	29°38'	88°36'	1-31-58	1116-1145	10	--	66	61	--	30' midwater trawl
2101	29°51'	88°36'	1-31-58	1350-1420	13-11	--	63	60	--	30' midwater trawl
2102	29°58'	88°42'	1-31-58	1535-1605	9-10	--	63	59	--	30' midwater trawl
2103	29°16'	88°36'	2-4-58	1010-1040	37	--	65	65	--	30' midwater trawl
2104	29°18'	88°37'	2-4-58	1055-1125	37	--	60	65	--	30' midwater trawl
2105	29°16'	88°31'	2-5-58	0625-0648	45	--	68	64	--	30' midwater trawl
2106	29°16'	88°32'	2-5-58	0705-0725	45	--	68	63	--	30' midwater trawl
2107	29°16.5'	88°31.5'	2-5-58	--	43	--	86	68-65	--	30' midwater trawl
2108	29°16'	88°39.5'	2-5-58	1035-1105	35	--	60	68	--	30' midwater trawl
2109	29°28'	88°48'	2-5-58	--	10	--	--	--	--	30' midwater trawl
2110	29°54'	88°06'	2-16-58	1125-1133	17	--	38	--	--	30' midwater trawl
2111	29°21'	88°30'	2-17-58	1040-1110	33	--	40	68	--	30' midwater trawl
2112	29°22'	88°37'	2-17-58	1215-1245	31	--	40	68	--	30' midwater trawl
2113	--	--	2-17/18-58	--	6-7	S.	30	53	--	Dip net
2114	30°11'	88°34'	2-24-58	1445-1505	8-6	--	65	58	--	30' midwater trawl
2115	30°09'	88°29'	2-24-58	1610-1640	7	--	60	57	--	30' midwater trawl
2116	29°35'	86°04'	2-25-58	1855-1925	32	--	64	67	--	30' midwater trawl
2117	30°22'	86°46'	2-26-58	1540-1610	10	S.M.	60	60.5	--	30' midwater trawl
2118	29°28'	88°12'	2-28-58	1937-2007	26	--	65	61.5	--	30' midwater trawl
2119	29°29'	88°10'	2-28-58	2104-2106	27	--	61	62	--	30' midwater trawl
2120	29°29'	88°13'	2-28-58	2214-2239	27	--	60	61.5	--	30' midwater trawl
2121	29°28'	88°12'	2-28-58	2315-2245	27	--	61	62	--	30' midwater trawl
2122	29°19'	88°58'	3-7-58	1225-1255	13-16	--	67	65-67.5	--	41' midwater trawl
2123	29°20'	88°54.5'	3-7-58	1320-1405	15-12	--	70	68-64	--	41' midwater trawl
2124	29°19'	88°56.5'	3-7-58	1447-1537	14-10	M.	68	64-65.5	--	41' midwater trawl
2125	29°19'	89°00'	3-7-58	1552-1638	10-17	M.	65	65	--	41' midwater trawl
2126	29°22'	88°56.5'	3-7-58	1727-1814	10-16	--	66	64-65.5	--	41' midwater trawl
2127	29°20'	88°55.5'	3-7-58	1835-1918	16-14	--	66	--	--	41' midwater trawl
2128	29°20'	88°50'	3-7-58	2041-2115	22-15	--	66	64-68	--	41' midwater trawl
2129	--	--	3-8-58	1530-1625	10	hrd.S.	68	67-69	--	125' midwater trawl
2130	29°34.5'	88°38'	3-8-58	1801-1831	11-15	--	64	69	--	41' midwater trawl
2131	29°19'	88°43'	3-9-58	0936-1001	32-33	M.	63	66-67	--	40' midwater trawl
2132	29°14'	88°26'	3-9-58	1240-1245	32	Cl.R.	62	70.5	--	41' midwater trawl
2133	29°12.5'	88°39'	3-9-58	1451-1457	40	--	60	--	--	40' midwater trawl
2134	29°13'	88°38'	3-9-58	1525-1538	40	--	60	--	--	40' midwater trawl
2135	29°13'	88°40'	3-9-58	1900-1925	40	M.	62	70	--	41' midwater trawl
2136	29°14'	88°37.5'	3-9-58	2025-2057	41	gy.M.	--	70.5	--	41' midwater trawl
2137	29°12'	88°37'	3-9-58	2115-2145	41	--	66	70	--	41' midwater trawl
2138	29°43.5'	88°43'	3-10/11-58	0130-0430	9	hrd.S.	60	63.5	--	Dip net
2139	29°37.5'	88°38'	3-11-58	--	10-9	--	62	--	--	41' midwater trawl
2140	29°48'	88°45'	3-11-58	1111-1132	7	hrd.S.	62	62	--	41' midwater trawl
2141	29°50'	88°44'	3-11/12-58	--	7	S.	--	63	--	Dip net
2142	30°12.5'	88°15'	3-12-58	1107-1117	6	S.	58	63.5	--	41' midwater trawl
2143	30°12'	88°13'	3-12-58	1245-1300	6.5	S.	58	--	--	41' midwater trawl
2144	30°14'	88°11'	3-12-58	1526-1542	5	S.	62	64	--	41' midwater trawl
2145	30°13'	88°14'	3-12-58	1809-1819	61	S.	62	63.5	--	41' midwater trawl
2146	30°13'	88°30'	3-12-58	--	4	S.	62	--	--	Dip net
2147	29°12'	88°08'	3-13-58	1206-1217	6-5	S.	58	63	--	41' midwater trawl
2148	30°14'	88°08.5'	3-13-58	1253-1255	5	M.	58	--	--	41' midwater trawl
2149	30°14.5'	88°08.5'	3-13/14-58	--	4	S.	--	--	--	Dip net
2150	--	--	4-3-58	--	--	S.	66	66	--	Dip net
2151	30°13'	88°09'	4-4-58	0834-0904	4-5	S.	65	66-68	--	40' midwater trawl
2152	30°13.5'	88°09'	4-4-58	1008-1038	6	--	68	--	--	40' midwater trawl
2153	30°13.5'	88°07.5'	4-4-58	1156-1226	6	S.	70	67-69.5	--	41' midwater trawl
2154	30°12'	88°12'	4-4-58	1716-1746	4-5	S.	67	70-70.5	--	41' midwater trawl
2155	30°14'	88°11.5'	4-4/5-58	--	4	S.	66	--	--	Dip net

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2156	--	--	4-6-58	--	5	S.	--	--	--	Dip net
2157	28°12'	83°43'	4-8-58	0310-0325	18½	--	62	66	--	40' midwater trawl
2158	28°04'	83°42'	4-8-58	2335-2355	19	--	64	67	--	40' midwater trawl
2159	28°03'	83°50'	4-9-58	--	21	--	64	66	--	Dip net
2160	28°01'	83°51'	4-9-58	1255-1330	21½	--	--	--	--	40' midwater trawl
2161	28°01'	83°49'	4-9-58	1436-1515	21	--	67	67	--	40' midwater trawl
2162	26°35.5'	82°53'	4-14-58	2240-2255	21-19	S.	68	69.5	--	40' midwater trawl
2163	26°34.5'	82°52.5'	4-14-58	2332-2347	19-20	S.	68	69.5	--	40' midwater trawl
2164	26°37.5'	82°53.5'	4-15-58	0012-0027	19-18	--	68	69.5	--	40' midwater trawl
2165	26°37'	82°53.5'	4-15-58	0058-0113	19	--	68	69.5	69--	41' midwater trawl
2166	--	--	4-15-58	--	19	--	68	69.5	--	Dip net
2167	27°48.5'	83°28.5'	4-18-58	2058-2113	19-20	--	68	67.5	--	41' midwater trawl
2168	27°48.5'	83°28.5'	4-18-58	2206-2226	19-20	--	68	67.5	--	41' midwater trawl
2169	27°55'	83°35'	4-18-58	--	20	--	--	67	--	1000 watt light
2170	27°56'	83°36'	4-19-58	0725-0745	20	--	--	66.5	--	40' midwater trawl
2171	27°52'	83°34'	4-19-58	--	20	--	70	64.5	--	1000 watt light
2172	27°52'	83°34'	4-20-58	--	20	--	70	64.5	--	Lampara net
2173	30°04'	88°45.5'	4-22-58	1330-1415	7½	S.	70	74	--	60/40' midwater trawl
2174	--	--	5-11/12-58	--	15	--	--	81	--	Dip net
2175	--	--	5-12/13-58	--	15	S.Rk.Co.	--	81	--	Dip net
2176	22°20'	88°45'	5-14/15-58	--	30	--	77	80	--	Dip net
2177	22°29'	88°43'	5-15-58	0348-0412	28	--	77	80	--	41' midwater trawl
2178	22°21'	88°47'	5-15-58	1947-2017	29-28	Co.Rk.	79	81.5	--	41' midwater trawl
2179	22°19'	88°50'	5-15-58	2039-2111	28	--	79	81	--	--
2180	22°11'	90°22'	5-17-58	0415-0445	27	--	78	81.5	--	41' midwater trawl
2181	21°45'	90°50'	5-18-58	--	21	--	70	81	--	Dip net
2182	--	--	5-18/19-58	--	5	Co.	79.5	83.5	--	Dip net
2183	20°47'	91°27'	5-19-58	2127-2157	20	--	79	83	--	41' midwater trawl
2184	20°47'	91°30'	5-19-58	2228-2258	20	--	79	83	--	41' midwater trawl
2185	20°12'	91°59'	5-20/21-58	--	8	Co.Rk.S.	80	83	--	Dip net
2186	22°14'	91°35'	5-21-58	2245-2315	65	Rk.S.Co.	78	83	--	41' midwater trawl
2187	22°14'	91°35'	5-21/22-58	2400-0010	65	--	80	83	--	41' midwater trawl
2188	22°14'	91°41'	5-22-58	--	65	--	82	83	--	Dip net
2189	22°18'	91°21.5'	5-22-58	0402-0432	63	--	78	82.5	--	41' midwater trawl
2190	23°00'	89°05'	5-22/23-58	--	14	--	78	82.5	--	Dip net
2191	25°11'	89°50'	5-23-58	2010-2310	1800	M.	79	--	--	41' midwater trawl
2192	29°29'	88°41'	5-25-58	1605-1635	10	M.	82	84	--	41' midwater trawl
2193	29°42'	88°40'	5-25-58	1745-1800	10-8	M.	82	84-85	--	40' midwater trawl
2194	29°31'	88°48'	5-25-58	2015-2045	10	M.	80	83.5	--	41' midwater trawl
2195	29°53'	88°50'	5-25/26-58	--	10	Cl.M.	82	83.5	--	1000 watt light
2196	24°05'	91°46'	6-22-58	1552-2200	2000	--	86	86.5-87	--	40' flat trawl
2197	24°34'	92°05'	6-23-58	0400-1200	2000-1950	--	84	86.5	--	40' flat trawl
2198	24°50'	92°35'	6-23/24-58	1740-0230	2000	--	88	87	--	40' flat trawl
2199	24°42'	92°18'	6-24-58	0840-1440	2000	br.M.	84	87.5	--	40' flat trawl
2200	25°20'	92°25'	6-24-58	2040-2240	1800	--	85	87	--	40' flat trawl
2201	25°30'	92°15'	6-25-58	0050-0250	1800-1750	--	82	86.5	--	40' flat trawl
2202	28°58'	88°11'	6-26-58	1445-1745	625	--	81	86	--	40' flat trawl
2203	29°13.5'	88°12'	6-26-58	--	125	M.	79	85	--	40' flat trawl
2204	27°42'	83°09'	7-17-58	1110-1125	12-14½	--	84	87.5	--	40' midwater trawl
2205	27°40'	82°50'	7-18-58	0740-0800	5-6	--	82	--	--	40' midwater trawl
2206	27°40'	82°55'	7-18-58	0825-0835	8	--	83	--	--	40' midwater trawl
2207	09°58'	61°11'	8-26-58	1520-1535	20-22	S.	82	88	--	40' flat trawl
2208	09°55'	60°53'	8-26-58	1705-1805	34-33	M.S.	80	86	--	40' flat trawl
2209	09°45'	60°47'	8-26-58	1950-2050	20-22	bu.M.	80	86	--	40' flat trawl
2210	09°39'	60°49'	8-26-58	2135-2235	15	M.S.	80	86	--	40' flat trawl
2211	09°39'	60°49'	8-26/27-58	2310-0110	15-13	S.M.	80	86	--	40' flat trawl
2212	09°33'	60°42'	8-27-58	0130-0300	15-18	S.M.	80	86	--	40' flat trawl
2213	09°31'	60°36'	8-27-58	0330-0500	26	S.M.	80	85	--	40' flat trawl
2214	09°29'	60°30'	8-27-58	0530-0700	30	--	80	85	--	40' flat trawl
2215	09°14'	60°26'	8-27-58	0925-1055	9-10	M.	81	85	--	40' flat trawl
2216	09°15'	60°11'	8-27-58	1250-1420	35	M.	81	85.5	75.2	40' flat trawl
2217	09°18'	60°09'	8-27-58	1505-1635	40	M.	80	86	73.6	40' flat trawl
2218	09°28'	60°04'	8-27-58	1800-1900	42-45	Rk.Sh.	81	--	--	40' flat trawl
2219	09°42'	59°53'	8-27-58	2120-2125	120	Co.Rk.	80	--	--	40' flat trawl
2220	09°25'	59°43'	8-28-58	0145-0245	50-55	--	80	86	--	40' flat trawl
2221	09°22'	59°45'	8-28-58	0300-0400	50	--	78	86	--	40' flat trawl
2222	08°54'	59°46'	8-28-58	0740-0910	25	--	84	--	--	40' flat trawl
2223	08°49'	59°45'	8-28-58	--	15	--	--	86	--	40' flat trawl
2224	08°48'	59°42'	8-28-58	1045-1145	15	--	84	87	77	40' flat trawl
2225	08°32'	59°10'	8-28-58	1520-1620	22-25	M.S.	82	87	--	40' flat trawl
2226	08°32'	59°05'	8-28-58	1720-1820	28-33	M.S.	82	87	--	40' flat trawl
2227	08°30'	59°02'	8-28-58	1905-2000	33-37	S.M.	81	87	--	40' flat trawl
2228	08°30'	58°56'	8-28-58	2030-2130	37	--	82	87	72.9	40' flat trawl
2229	08°33'	58°50'	8-28-58	2205-0005	38-41	--	81	87	--	40' flat trawl
2230	08°33'	58°46'	8-29-58	0020-0220	41-44	--	83	--	--	40' flat trawl
2231	08°32'	58°42'	8-29-58	0235-0435	45-48	M.	82	--	--	40' flat trawl
2232	08°31'	58°37'	8-29-58	0450-0650	48-46	Sh.S.	84	--	--	40' flat trawl
2233	08°29'	58°30'	8-29-58	0835-1035	42-33	S.	82	--	--	40' flat trawl
2234	08°20'	58°30'	8-29-58	1125-1255	26-23	--	82	86	--	40' flat trawl
2235	08°15'	58°28'	8-29-58	1410-1610	23	S.	82	86	--	40' flat trawl
2236	08°09'	58°23'	8-29-58	1655-1855	23	S.	82	85	--	40' flat trawl
2237	08°06'	58°20'	8-29-58	1915-2115	23-26	bu.M.	82	85	--	40' flat trawl
2238	08°04'	58°23'	8-29/30-58	2310-0110	23-16	S.M.	81	85	--	40' flat trawl
2239	07°58'	58°23'	8-30-58	0140-0340	10-11	S.M.	81	85.5	--	40' flat trawl
2240	07°56'	58°20'	8-30-58	0455-0600	11	--	80	--	--	40' flat trawl
2241	07°57'	58°13'	8-30-58	0625-0825	13-11	--	86	85	--	40' flat trawl
2242	08°00'	58°21'	8-30-58	1600-1900	20-25	M.	82	85	--	80' semi-balloon trawl
2243	08°03'	58°24'	8-30-58	1930-2230	25-23	--	82	85	--	80' semi-balloon trawl
2244	08°12'	58°21'	8-31-58	0135-0345	31-39	M.S.	82	85	--	40' flat trawl
2245	08°15'	58°17'	8-31-58	0400-0525	39-50	--	83	86	--	40' flat trawl
2246	07°56'	57°27'	8-31-58	1110-1210	44-48	--	86	--	--	40' flat trawl
2247	07°55'	57°27'	8-31-58	1235-1340	44-37	--	90	--	--	40' flat trawl
2248	07°45'	57°34'	8-31-58	1430-1630	35-30	Sh.M.Co.	--	--	--	40' flat trawl
2249	07°40'	57°34'	8-31-58	1645-1745	30-27	--	82	85	--	40' flat trawl
2250	07°38'	57°34'	8-31-58	1800-1900	27-26	--	82	85	--	40' flat trawl
2251	07°35'	57°34'	8-31-58	1915-2015	26-25	--	82	--	--	40' flat trawl
2252	07°26'	57°37'	8-31-58	2120-2220	17	--	82	85	--	40' flat trawl
2253	07°05'	57°12'	9-1-58	0230-0330	18	--	81	--	--	40' flat trawl
2254	07°07'	57°08'	9-1-58	0445-0545	20-22	S.M.	82	85	--	40' flat trawl
2255	07°09'	57°06'	9-1-58	0600-0700	25	--	83	86	--	40' flat trawl
2256	07°18'	57°07'	9-1-58	0745-0845	30-32	S.Co.Sh.	83	85	--	40' flat trawl
2257	07°21'	57°04'	9-1-58	0925-1025	35	--	83	85	--	40' flat trawl
2258	07°22'	57°01'	9-1-58	1040-1140	40-46	--	83	86	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2259	07°35'	56°57'	9-1-58	1155-1255	46-52	Sp.	83	86	--	40' flat trawl
2260	07°38'	56°55'	9-1-58	1320-1325	52	--	83	86	--	40' flat trawl
2261	07°20'	56°49'	9-1-58	1630-1730	33	M.Sp.Sh.	81	85	--	40' flat trawl
2262	07°18'	56°49'	9-1-58	1825-2025	33-30	--	81	85	--	80' semi-balloon trawl
2263	07°12'	56°47'	9-1-58	2135-2335	28-26	--	80	85	--	80' semi-balloon trawl
2264	07°03'	56°45'	9-2-58	0050-0150	22	--	80	--	--	40' flat trawl
2265	06°56'	56°43'	9-2-58	0240-0410	22-21	S.Sp.	83	85	--	40' flat trawl
2266	07°04'	56°05'	9-2-58	1525-1625	31-28	--	81	84.5	--	40' flat trawl
2267	06°58'	56°02'	9-2-58	1700-1800	25	M.	81	84.5	--	40' flat trawl
2268	06°53'	55°59'	9-2-58	1830-1930	24-23	--	82	--	--	40' flat trawl
2269	06°49'	55°57'	9-2-58	1950-2050	22-23	--	82	83.5	--	40' flat trawl
2270	06°44'	55°54'	9-2-58	2120-2220	22-21	--	81	83	--	40' flat trawl
2271	06°34'	55°54'	9-2/3-58	2325-0025	18	--	80	--	--	40' flat trawl
2272	06°30'	55°52'	9-3-58	0115-0230	17	M.Sh.Co.	81	83	--	40' flat trawl
2273	07°00'	55°43'	9-3-58	1145-1245	38-34	--	85	84.5	--	40' flat trawl
2274	06°54'	55°40'	9-3-58	1335-1435	27-26	M.Sp.Sh.	85	84	--	40' flat trawl
2275	06°50'	55°39'	9-3-58	1525-1625	25-24	--	80	84	--	40' flat trawl
2276	06°42'	55°37'	9-3-58	1720-1820	23-22	--	80	84	--	40' flat trawl
2277	06°37'	55°36'	9-3-58	1925-2025	19	--	80	84	--	40' flat trawl
2278	06°31'	55°33'	9-3-58	2200-2300	16	--	80	84	--	40' flat trawl
2279	06°20'	55°34'	9-3-58	2320-0020	14-7	--	80	84	--	40' flat trawl
2280	06°18'	55°30'	9-4-58	0050-0150	7	--	80	84	--	40' flat trawl
2281	06°37'	55°13'	9-7-58	1615-1715	22	--	81	84.5	--	40' flat trawl
2282	06°37'	55°09'	9-7-58	1755-1955	22	M.S.	82	84.5	--	100' flat trawl
2283	06°37'	55°03'	9-7-58	2045-2245	22	M.S.	78	84	--	100' flat trawl
2284	06°48'	55°12'	9-8-58	0115-0315	25	--	80	--	--	100' flat trawl
2285	07°27'	54°54'	9-8-58	1110-1310	135-150	--	80	85-84.5	--	40' flat trawl
2286	07°26'	54°49'	9-8-58	1405-1605	105-120	M.	80	85	--	40' flat trawl
2287	07°28'	54°43'	9-8-58	1650-1850	90-95	--	80	--	--	40' flat trawl
2288	07°26'	54°40'	9-8-58	1945-2145	95	--	80	--	--	40' flat trawl
2289	07°25'	54°35'	9-8-58	2220-2240	75-80	Co.Sp.R.	80	--	--	40' flat trawl
2290	07°27'	54°32'	9-8/9-58	--	110	--	80	84.5	--	40' flat trawl
2291	07°27'	54°27'	9-9-58	0215-0415	120-135	M.S.	80	--	--	40' flat trawl
2292	07°28'	54°21'	9-9-58	0545-0745	110-115	M.S.	82	84	--	40' flat trawl
2293	07°27'	54°15'	9-9-58	0910-1110	110-115	--	82	84	--	40' flat trawl
2294	07°25'	54°08'	9-9-58	1240-1440	105-115	M.Sh.	82	84	--	40' flat trawl
2295	07°27'	53°47'	9-9-58	1510-1710	120-125	--	8	8	--	40' flat trawl
2296	06°29'	52°30'	9-10-58	0645-0845	110-120	M.Sh.	84	84	--	40' flat trawl
2297	06°00'	52°20'	9-10-58	2135-2235	38-40	M.S.	81	85	--	40' flat trawl
2298	05°58'	52°21'	9-10-58	2255-0045	36-31	--	81	84.5	--	40' flat trawl
2299	05°54'	52°22'	9-11-58	0110-0325	31-33	M.Sh.	81	84.5	--	62' flat trawl
2300	06°10'	52°38'	9-11-58	0500-0600	35	M.S.	81	85	--	62' flat trawl
2301	06°08'	52°37'	9-11-58	0705-0720	30	M.S.Sh.	82	85	--	62' flat trawl
2302	06°08'	52°36'	9-11-58	0755-0855	30	M.S.	82	85	--	62' flat trawl
2303	06°04'	52°35'	9-11-58	0915-1015	30	--	88	--	--	62' flat trawl
2304	06°12'	52°34'	9-11-58	1120-1150	58	--	88	85.5	--	62' flat trawl
2305	06°01'	52°22'	9-11-58	1550-1750	36-31	--	82	85.5	--	62' flat trawl
2306	05°58'	52°24'	9-11-58	1815-2015	30-31	--	82	85	--	62' flat trawl
2307A	05°57'	52°20'	9-11-58	2035-2235	31-28	--	82	85	--	62' flat trawl
2307B	05°56'	52°20'	9-11-58	2100-2205	31-28	--	82	85	--	40' flat trawl
2308A	05°56'	52°20'	9-12-58	0015-0145	31	--	81	85	--	62' flat trawl
2308B	05°56'	52°20'	9-12-58	0020-0120	31	--	81	85	--	40' flat trawl
2309	05°54'	52°17'	9-12-58	0310-0510	31-34	--	83	--	--	65' flat trawl
2310	05°50'	52°10'	9-12-58	1610-1710	28	Sh.Co.M.	80	--	--	40' flat trawl
2311	05°45'	52°18'	9-12-58	2050-2120	33	--	80	--	--	40' flat trawl
2312	05°50'	52°21'	9-12-58	2245-2345	37	M.S.	80	85	--	40' flat trawl
2313	05°52'	52°19'	9-13-58	0145-0330	35-36	--	80	85	--	40' flat trawl
2314	06°05'	52°22'	9-13-58	1540-1640	36-37	--	82	86	--	40' flat trawl
2315A	06°01'	52°22'	9-13-58	1655-1910	37-35	--	81	85.5	--	40' flat trawl
2315B	06°01'	52°22'	9-13-58	1700-1900	37-35	--	82	85.5	--	40' flat trawl
2316A	06°10'	52°26'	9-13-58	2035-2235	36	--	81	85	--	40' flat trawl
2316B	06°10'	52°26'	9-13-58	2040-2240	36	--	81	85	--	40' flat trawl
2317A	06°14'	52°31'	9-13-58	2340-0155	36-39	--	80	85	--	40' flat trawl
2317B	06°14'	52°31'	9-13/14-58	2345-0245	36-39	--	80	85	--	40' flat trawl
2318	06°15'	52°35'	9-14-58	0215-0320	37	M.S.	80	85	--	40' flat trawl
2319	07°05'	52°45'	9-14-58	0730-0750	250-240	M.	82	83	--	40' flat trawl
2320	07°05'	52°47'	9-14-58	0910-1105	200	M.bk.S.	86	86.5	--	40' flat trawl
2321A	06°52'	53°18'	9-14-58	1535-1800	34	--	82	--	--	40' flat trawl
2321B	06°52'	53°18'	9-14-58	1540-1740	34	--	82	--	--	40' flat trawl
2322A	06°50'	53°29'	9-14-58	1855-2135	34	--	80	85	--	40' flat trawl
2322B	06°50'	53°29'	9-14-58	1910-2110	34	--	80	85	--	40' flat trawl
2323	06°50'	53°28'	9-15-58	2325-0325	35-50	--	--	--	--	40' flat trawl
2324	06°48'	54°24'	9-15-58	0805-0905	23-24	--	--	--	--	40' flat trawl
2325A	06°24'	54°27'	9-15-58	1200-1325	17	M.S.	87	85	--	40' flat trawl
2325B	06°24'	54°27'	9-15-58	1205-1310	17	M.S.	87	85	--	40' flat trawl
2326	06°20'	54°20'	9-15-58	1430-1530	15-14	M.	82	85	--	40' flat trawl
2327A	06°28'	54°20'	9-15-58	1635-1810	17	M.Sh.	81	85	--	40' flat trawl
2327B	06°28'	54°20'	9-15-58	1640-1740	17	M.Sh.	81	85	--	40' flat trawl
2328A	06°33'	54°23'	9-15-58	1905-2020	21	M.	80	85	--	40' flat trawl
2328B	06°33'	54°23'	9-15-58	1910-2110	21	M.	80	85	--	40' flat trawl
2329A	06°40'	54°25'	9-15-58	2135-2335	25-27	M.S.	82	84	--	40' flat trawl
2329B	06°40'	54°25'	9-15-58	2140-2240	25-26	M.S.	82	84	--	40' flat trawl
2330A	06°50'	54°30'	9-16-58	0035-0355	28-30	M.S.	80	84	--	40' flat trawl
2330B	06°50'	54°30'	9-16-58	0040-0330	28-30	M.S.	80	84	--	40' flat trawl
2331A	06°55'	55°04'	9-16-58	1605-1825	30-29	--	81	85	--	40' flat trawl
2331B	06°55'	55°04'	9-16-58	1610-1810	30-29	--	81	85	--	40' flat trawl
2332A	06°53'	54°59'	9-16-58	1840-2135	29-31	M.S.	81	85	--	40' flat trawl
2332B	06°54'	55°00'	9-16-58	1925-2125	29-31	M.S.	81	85	--	40' flat trawl
2333A	06°58'	55°03'	9-16/17-58	2155-0110	30-31	M.S.	80	84	--	40' flat trawl
2333B	06°58'	55°03'	9-16/17-58	2200-0100	30-31	M.S.	80	84	--	40' flat trawl
2334A	06°56'	54°55'	9-17-58	0130-0330	31	M.	80	84	--	40' flat trawl
2334B	06°56'	54°55'	9-17-58	0140-0320	31	M.	81	84	--	40' flat trawl
2335A	06°50'	55°34'	9-17-58	1550-1820	28	M.S.	81	84	--	40' flat trawl
2335B	06°50'	55°34'	9-17-58	1600-1800	28	M.S.	81	84	--	40' flat trawl
2336A	06°49'	55°31'	9-17-58	1850-2205	27	G.M.S.	82	85	--	40' flat trawl
2336B	06°49'	55°30'	9-17-58	1925-2155	27	M.S.	82	--	--	40' flat trawl
2337A	06°50'	55°23'	9-17/18-58	2240-0215	29	M.	80	84	--	40' flat trawl
2337B	06°50'	55°23'	9-17/18-58	2250-0150	29	M.S.	80	84	--	40' flat trawl
2338A	06°52'	55°30'	9-18-58	0235-0400	29	M.S.	81	84	--	40' flat trawl
2338B	06°52'	55°30'	9-18-58	0240-0345	29	M.S.	81	84	--	40' flat trawl
2339A	07°12'	57°22'	9-18-58	1605-1720	17	S.M.	82	84	--	40' flat trawl
2339B	07°12'	57°22'	9-18-58	1610-1710	17	S.M.	82	84	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2340A	07°21'	57°23'	9-18-58	1840-2025	25	--	81	85	--	40' flat trawl
2340B	07°21'	57°23'	9-18-58	1845-2005	25	M.S.Trash	81	85	--	40' flat trawl
2341A	07°23'	57°30'	9-18-58	2015-2310	20	--	81	85	--	40' flat trawl
2341B	07°23'	57°30'	9-18-58	2120-2250	20	--	81	85	--	40' flat trawl
2342A	07°28'	57°38'	9-18/19-58	2330-0145	17-15	S.M.	80	85	--	40' flat trawl
2342B	07°28'	57°38'	9-18/19-58	2335-0135	17-15	S.M.	80	85	--	40' flat trawl
2343A	07°34'	57°45'	9-19-58	0220-0345	20-19	M.S.	83	85	--	40' flat trawl
2343B	07°34'	57°45'	9-19-58	0225-0335	20-19	M.S.	83	85	--	40' flat trawl
2344A	08°10'	58°18'	9-19-58	1555-1810	33-35	S.	82	85	--	40' flat trawl
2344B	08°10'	58°18'	9-19-58	1600-1800	33-35	S.	82	85	--	40' flat trawl
2345A	08°12'	58°25'	9-19-58	1830-2045	35-34	S.	81	85	--	40' flat trawl
2345B	08°12'	58°25'	9-19-58	1835-2035	35-34	S.	81	85	--	40' flat trawl
2346A	08°08'	58°20'	9-19-58	2125-2405	29	--	81	85	--	40' flat trawl
2346B	08°08'	58°21'	9-19-58	2155-2355	29	--	81	85	--	40' flat trawl
2347A	08°10'	58°28'	9-20-58	0040-0405	29-28	--	81-87	85	--	40' flat trawl
2347B	08°10'	58°28'	9-20-58	0045-0345	29-28	--	81-87	85	--	40' flat trawl
2348A	09°32'	60°24'	9-20-58	1620-1840	33	--	82	--	--	40' flat trawl
2348B	09°32'	60°24'	9-20-58	1630-1830	33	--	82	--	--	40' flat trawl
2349A	09°36'	60°31'	9-20-58	1925-2150	30-31	S.	80	85	--	40' flat trawl
2349B	09°36'	60°31'	9-20-58	1940-2140	30-31	--	80	85	--	40' flat trawl
2350	10°58'	61°45'	9-23-58	0500-0550	65-66	--	90	--	--	40' flat trawl
2351	11°31'	62°20'	9-23-58	1110-1310	200-185	M.	84	--	--	40' flat trawl
2352	11°35'	62°25'	9-23-58	1435-1530	220-275	--	83	86	--	40' flat trawl
2353	11°35'	62°41'	9-23-58	1720-1920	212-250	M.	82	--	--	40' flat trawl
2354	11°34'	63°02'	9-23-58	2110-2115	175	Rk.M.	82	83.5	--	40' flat trawl
2355	17°23'	63°22'	9-25-58	0905-0925	11-12	Sp.Rk.	83	--	--	40' flat trawl
2356	17°33'	63°35'	9-25-58	1205-1235	125-132	--	83	--	--	40' flat trawl
2357	20°03'	91°56'	11-25-58	--	25½	--	79	--	--	Rectangular fish trap
2358	20°00'	91°50'	11-26-58	--	23	--	--	--	--	Rectangular fish trap
2359	20°07'	91°54'	11-26-58	--	21	--	83	--	--	Rectangular fish trap
2360	19°41'	91°50'	11-28-58	--	25½	--	80	--	--	Rectangular fish trap
2361	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2362	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2363	20°07'	91°55'	12-1-58	--	24	--	--	--	--	Rectangular fish trap
2364	20°00'	91°30'	12-4-58	--	27	Co.S.	--	--	--	Rectangular fish trap
2365	20°00'	91°30'	12-4-58	--	24½	Co.S.	77	--	--	Rectangular fish trap
2366	22°10'	91°20'	12-4-58	--	35	S.Co.	77	--	--	Rectangular fish trap
2367	22°10'	91°20'	12-5-58	--	33	S.Co.	77	--	--	Rectangular fish trap
2368	22°10'	91°20'	12-5-58	--	31	S.Co.	--	--	--	Rectangular fish trap
2369	22°10'	91°20'	12-5-58	--	32	S.Co.	--	--	--	Rectangular fish trap
2370	22°10'	91°20'	12-5-58	--	32	S.Co.	--	--	--	Rectangular fish trap
2371	29°06'	88°12'	1-8-59	2230-2250	220-350	--	--	--	51	40' midwater trawl
2372	29°00'	88°24'	1-22-59	--	380	--	49	--	--	40' flat trawl
2373	29°26'	88°41'	1-23-59	1010-1040	22-24	--	48	66	--	41' midwater trawl
2374	29°32'	88°41'	1-23-59	1740-1800	17-18	M.	46	--	63	41' midwater trawl
2375	29°26'	88°46'	1-24-59	0950-1010	16-12	S.	60	64	68	41' midwater trawl
2376	29°42'	88°10'	1-26-59	1229-1320	19.5-20	S.	62	--	--	41' midwater trawl
2377	29°43.5'	88°12'	1-26-59	1425-1440	21	S.	64	65	--	40' midwater trawl
2378	29°10'	88°30'	1-26-59	1933-2055	100-150	M.S.	--	57	--	41' midwater trawl
2379	29°25'	88°50'	1-27-59	0830-0900	15-13	--	63	--	61	40' midwater trawl
2380	29°25'	88°52'	1-27-59	0923-0953	11	--	60	--	61	40' midwater trawl
2381	29°25'	88°50'	1-27-59	1010-1030	12-11	M.	58	--	61	40' midwater trawl
2382	29°26'	88°51'	1-27-59	1433-1503	13-14	--	60.5	64	65	40' midwater trawl
2383	29°25'	88°53'	1-27-59	1525-1555	14	--	61	64	--	41' midwater trawl
2384	29°23'	88°51'	1-27-59	1620-1715	14-15	--	--	--	61	41' midwater trawl
2385	29°26'	88°54'	1-27-59	1730-1830	10	--	62	64	--	41' midwater trawl
2386	29°36'	88°42'	1-28-59	0920-0950	9.5-10	--	56	60	57	40' midwater trawl
2387	30°08'	88°35'	1-29-59	1140-1150	9	M.S.	61	60	58	41' midwater trawl
2388	30°00'	88°44'	1-29-59	1255-1310	9	--	61	60	56	41' midwater trawl
2389	30°02'	88°42.5'	1-29-59	1340-1411	8-9.5	M.	61	60	56	41' midwater trawl
2390	29°26'	88°51'	1-30-59	1225-1257	9	M.S.	60	63	59	40' midwater trawl
2391	29°24.5'	88°54'	1-30-59	1315-1345	9	M.S.	60	63	59	40' midwater trawl
2392	29°26'	88°55'	1-30-59	1400-1425	9	M.S.	60	63.5	61	40' midwater trawl
2393	29°25'	88°54'	1-30-59	1443-1527	9	M.S.	60	63-64	61	40' midwater trawl
2394	29°27'	88°52'	1-30-59	1549-1649	8.5-9	M.S.	60	63-64	61	40' midwater trawl
2395	29°25'	88°51'	1-30-59	1708-1808	9	M.S.	60	63-64	60	40' midwater trawl
2396	28°59'	88°37'	1-31-59	1807-1907	265-290	--	70	64	59	40' midwater trawl
2397	30°10'	88°18'	2-3-59	1715-1801	10	S.	58	61	60	40' midwater trawl
2398	30°08'	88°18'	2-3-59	--	10	S.	56	61-66	60	40' midwater trawl
2399	29°10'	87°55'	2-4-59	0508-0708	510-400	--	66	67	53	40' midwater trawl
2400	29°14'	88°26'	2-26-59	0620-0630	60-70	--	56	70	67	60' midwater trawl
2401	29°13'	88°44'	2-26-59	1025-1055	38	--	60	67	--	60' midwater trawl
2402	29°12'	88°41'	2-26-59	1820-1915	40	--	61	70	--	60' midwater trawl
2403	29°19'	88°58'	2-27-59	1005-1030	12	M.S.	57	63	--	40' midwater trawl
2404	29°21'	88°58'	2-27-59	1050-1130	10	--	58	64	--	40' midwater trawl
2405	29°20'	88°55'	2-27-59	1220-1250	13	--	58	64	--	40' midwater trawl
2406	29°24'	88°57'	2-27-59	1420-1520	8	--	58	63	--	40' midwater trawl
2407	29°28'	88°53'	2-27-59	1540-1635	8	--	58	63	--	40' midwater trawl
2408	29°24'	88°57'	2-28-59	0735-0835	8-10	--	62	62	--	40' midwater trawl
2409	29°26'	88°54'	2-28-59	0900-1000	8-9	--	62	62	--	40' midwater trawl
2410	29°29'	88°51'	2-28-59	1020-1120	8-9	--	64	62	--	40' midwater trawl
2411	29°27'	88°54'	2-28-59	1140-1240	8-9	--	70	63	--	40' midwater trawl
2412	29°23'	88°57'	2-28-59	1300-1400	8-9	--	66	63	--	40' midwater trawl
2413	29°28'	88°54'	2-28-59	1415-1515	8-9	--	62	63	--	40' midwater trawl
2414	29°25'	88°54'	2-28-59	1535-1635	8-9	--	62	63	--	40' midwater trawl
2415	29°26'	88°55'	2-28-59	1650-1750	8-9	--	62	64	--	40' midwater trawl
2416	29°26'	88°54'	2-28-59	1805-1905	10-12	--	60	64	--	40' midwater trawl
2417	29°24'	88°58'	2-28-59	1925-2025	10-12	--	59	63	--	40' midwater trawl
2418	29°24'	88°54'	3-1-59	0610-0710	9	--	54	62	--	40' midwater trawl
2419	29°29'	88°54'	3-1-59	0725-0825	8	--	50	62	--	40' midwater trawl
2420	29°41'	88°45'	3-1-59	1010-1040	7	--	50	62	--	40' midwater trawl
2421	29°49'	88°44'	3-1-59	1140-1210	8	--	51	62	--	40' midwater trawl
2422	29°55'	88°44.5'	3-1-59	1255-1325	7	--	53	61	--	40' midwater trawl
2423	30°00'	88°44.5'	3-1-59	1355-1425	8	--	53	62	--	40' midwater trawl
2424	30°11.5'	88°12'	3-3-59	1235-1255	7	--	58	62	--	40' midwater trawl
2425	30°13'	88°12.5'	3-3-59	1315-1345	5-7	--	65	62	--	40' midwater trawl
2426	30°12.5'	88°10'	3-3-59	1405-1420	6½	--	56	62	--	40' midwater trawl
2427	29°49.5'	85°33.5'	3-4-59	1030-1050	12	S.	60	62	--	40' midwater trawl
2428	29°51'	85°33.5'	3-4-59	1105-1155	12	S.	60	62	--	40' midwater trawl
2429	29°48'	85°32'	3-4-59	1410-1510	12	S.	66	64	--	60' midwater trawl
2430	29°50'	88°33'	3-4-59	1610-1650	12	S.	68	63	--	60' midwater trawl
2431	29°50.5'	85°32.5'	3-4-59	1755-1855	12	S.	66	63	--	60' midwater trawl
2432	28°40'	85°48'	3-7-59	1725-1825	15	S.Co.	54	65	--	40' midwater trawl
2433	28°36'	85°53'	3-7-59	--	15	--	--	65	--	Dip net

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2434	28°28'	83°38'	3-8-59	0735-0805	16-15	S.	57	66	--	40' midwater trawl
2435	28°16'	83°47.5'	3-8-59	1030-1100	17	S.Co.	58	66	--	40' midwater trawl
2436	28°12'	84°02'	3-8-59	1305-1330	22	S.Sh.	64	67	--	40' midwater trawl
2437	28°06'	83°50'	3-8-59	1530-1600	22	S.	62	66	--	40' midwater trawl
2438	28°06.5'	83°24'	3-8-59	1835-1905	14	S.Sh.	62	66	--	40' midwater trawl
2439	27°52.5'	83°30.5'	3-10-59	1725-1740	16-18	S.	66	69	--	40' midwater trawl
2440	27°51.5'	83°30.5'	3-10-59	1800-1830	16-18	S.	66	69	--	40' midwater trawl
2441	27°53'	83°30.5'	3-10-59	1845-1915	16-18	S.	66	69	--	40' midwater trawl
2442	27°54'	83°31'	3-10-59	2030-2330	18	--	--	64	--	Dip net
2443	27°55'	83°29'	3-11-59	0705-0735	16	S.	64	63	--	40' midwater trawl
2444	27°22'	83°01'	3-11-59	2110-2120	12	S.Sh.	67	63	--	40' midwater trawl
2445	27°23'	83°01.5'	3-11-59	2140-2150	12	S.Sh.	67	63	--	40' midwater trawl
2446	25°48.5'	82°22'	3-14-59	1030-1100	15	Sh.gyS.	73	71	--	40' midwater trawl
2447	25°50'	82°41'	3-14-59	1310-1340	20	S.	73	71	--	40' midwater trawl
2448	25°59'	82°17.5'	3-14-59	1715-1745	12-10	S.Sh.	68	70	--	40' midwater trawl
2449	26°08'	82°46.5'	3-14-59	2130-2200	19-20	S.Sh.	69	70	--	40' midwater trawl
2450	26°31.5'	82°51'	3-15-59	0540-0610	17-18	S.Sh.	69	69	--	40' midwater trawl
2451	26°35'	82°42.5'	3-15-59	0755-0825	12	S.Sh.	71	69	--	40' midwater trawl
2452	26°47'	82°53.5'	3-15-59	1025-1055	17	S.Sh.	74	69	--	40' midwater trawl
2453	26°59'	82°43'	3-15-59	1250-1320	12	S.Sh.	70	69	--	40' midwater trawl
2454	27°07'	83°01'	3-15-59	1555-1625	15	S.Sh.	71	70	--	40' midwater trawl
2455	27°15'	83°12'	3-15-59	1755-1825	21	S.Sh.	70	69	--	40' midwater trawl
2456	27°29'	84°50'	3-16-59	0420-0520	140-160	M.	78	70	--	40' midwater trawl
2457	30°13.5'	88°09'	3-17-59	1305-1335	6-5	S.	53	62	--	40' midwater trawl
2458	30°14'	88°13'	3-17-59	1440-1510	5	M.	58	62	--	40' midwater trawl
2459	29°29'	88°41'	4-9-59	0825-0845	10-9	S.	76	73	66	40' midwater trawl
2460	29°27'	88°52'	4-9-59	0950-1045	8	S.	76	73	--	40' midwater trawl
2461	29°24'	88°56'	4-9-59	1135-1235	8	S.	78	73	--	40' midwater trawl
2462	29°24'	88°54'	4-9-59	1325-1425	10-15	S.	76	73	--	40' midwater trawl
2463	29°20'	88°49'	4-9-59	1510-1610	22	M.	75	72	--	40' midwater trawl
2464	23°55'	90°16'	4-11-59	0920-1050	1900	--	78	78	--	40' midwater trawl
2465	21°28'	90°45'	4-12-59	0615-0715	17-15	--	79	81	--	40' midwater trawl
2466	21°24'	90°46'	4-12-59	0740-0825	15	--	79	81	--	40' midwater trawl
2467	21°02'	91°40'	4-12-59	1615-1715	25-26	S.	82	82	--	40' midwater trawl
2468	20°10'	91°40'	4-12-59	1735-1740	26	S.	80	82	--	40' midwater trawl
2469	20°17'	91°35'	4-13-59	0630-0730	20	S.	78	82	--	40' midwater trawl
2470	20°12'	91°59'	4-14-59	2000-2300	10	--	--	80	--	Dip net
2471	26°37'	97°07'	4-19-59	0820-0900	13	S.Sh.	73	69	71	40' midwater trawl
2472	26°44.5'	97°12'	4-19-59	1015-1045	13	S.Sh.	74	69	71	40' midwater trawl
2473	27°25'	97°05'	4-19-59	1935-2035	13	M.Sh.	69	70	69	40' midwater trawl
2474	27°25'	97°05'	4-20-59	0710-0730	13	M.	67	70	66	40' midwater trawl
2475	27°27'	97°04'	4-20-59	0750-0815	14	M.	68	70	66	40' midwater trawl
2476	27°54'	96°40'	4-20-59	1455-1525	14	M.	70	71	81	40' midwater trawl
2477	27°53'	96°41'	4-20-59	1610-1655	13	M.	70	71	80	40' midwater trawl
2478	28°52'	95°10'	4-22-59	1845-1915	10	M.	63	70	79	40' midwater trawl
2479	28°55'	94°40'	4-23-59	0910-0940	11	M.	66	70	--	40' midwater trawl
2480	28°55'	94°40'	4-23-59	0950-1015	11	M.	66	70	--	40' midwater trawl
2481	28°14'	94°57'	4-23-59	2000-2200	26	--	--	74	--	Dip net
2482	27°59'	94°48'	4-24-59	0840-0925	48	M.	67	74	--	40' midwater trawl
2483	29°03'	94°06'	4-24-59	2020-2230	8	--	67	71	--	Dip net
2484	29°00'	94°04'	4-25-59	0705-0720	9-11	M.Sh.	74	70	--	40' midwater trawl
2485	29°01'	94°05'	4-25-59	0735-0750	9-11	M.Sh.	74	70	--	40' midwater trawl
2486	29°04'	93°19'	4-25-59	1225-1255	11	S.Sh.	74	71	--	40' midwater trawl
2487	29°06'	93°21'	4-25-59	1325-1355	11	S.Sh.	74	71	--	40' midwater trawl
2488	29°09'	93°09'	4-25-59	1645-1715	10	S.	74	71	--	40' midwater trawl
2489	29°18'	92°59'	4-25-59	1900-1925	9	M.	69	71	--	40' midwater trawl
2490	29°21'	92°58'	4-25-59	--	8	--	69	71	--	Dip net
2491	29°05'	92°45'	4-26-59	0805-0905	12	M.	69	72	70	40' midwater trawl
2492	29°00'	92°49'	4-26-59	1020-1040	12	M.	76	72	72	40' midwater trawl
2493	29°00'	92°49'	4-26-59	1105-1135	12	M.	76	72	--	40' midwater trawl
2494	28°48'	91°14'	4-27-59	1355-1430	6-7	M.	72	74	--	40' midwater trawl
2495	28°50'	91°16.5'	4-27-59	1945-2005	5½-6	S.	72	74	--	60' midwater trawl
2496	28°50'	91°16'	4-28-59	0750-0820	6	S.	71	73	--	40' midwater trawl
2497	28°48'	91°14'	4-28-59	0840-0910	5	S.	71	73	--	40' midwater trawl
2498	28°51.5'	90°29'	4-28-59	1415-1515	10	M.S.	74	75	--	40' midwater trawl
2499	29°02'	90°08'	4-28-59	1835-1935	8-9	M.S.	73	75	--	40' midwater trawl
2500	28°59'	90°04'	4-28-59	--	10	--	--	74	--	Dip net
2501	28°56'	89°52.5'	4-29-59	0850-0950	20	M.	82	74	--	60' midwater trawl
2502	29°09'	89°48'	4-29-59	1145-1245	10	M.	76	76	--	60' midwater trawl
2503	29°02'	89°42'	4-29-59	1455-1555	20	M.	78	74	--	60' midwater trawl
2504	28°59'	89°35'	4-29-59	1710-1810	22	M.	74	77	--	60' midwater trawl
2505	29°30'	88°16.5'	5-20-59	1800-1915	25	M.	78	76	--	60' midwater trawl
2506	29°18'	88°12'	5-20-59	2035-2150	45-80	M.	77	76	--	60' midwater trawl
2507	29°05'	88°09.5'	5-20-59	2325-0225	450	--	76	75	--	60' midwater trawl
2508	28°27'	89°11.5'	5-21-59	1830-2100	300	--	79	78	--	60' midwater trawl
2509	28°30.5'	89°22.5'	5-21-59	2240-0010	85	--	77	78	--	60' midwater trawl
2510	28°46'	89°18'	5-22-59	0130-0250	60	--	75	75	--	60' midwater trawl
2511	28°53'	89°32'	5-22-59	1200-1300	35	--	82	77	--	60' midwater trawl
2512	28°54'	89°34'	5-22-59	1340-1440	30	--	82	78	--	60' midwater trawl
2513	28°59'	89°43'	5-22-59	1620-1750	25	--	82	78	--	60' midwater trawl
2514	28°58'	89°46'	5-22-59	1825-1955	25	M.	78	77	--	60' midwater trawl
2515	28°53.5'	89°47'	5-22-59	2135-2235	26	M.	76	77	--	60' midwater trawl
2516	28°45'	89°54'	5-23-59	0010-0110	35	M.	76	76	--	60' midwater trawl
2517	28°47'	89°53'	5-23-59	0155-0325	26-41	M.	76	76	--	60' midwater trawl
2518	28°45'	89°52'	5-23-59	0400-0530	45-50	M.	77	76	--	60' midwater trawl
2519	28°39'	90°03'	5-23-59	0625-0740	60	M.	78	76	--	60' midwater trawl
2520	28°34'	90°02'	5-23-59	0815-0900	40	M.	79	76	--	60' midwater trawl
2521	28°32'	90°04'	5-23-59	0920-1005	36	M.	79	77	--	60' midwater trawl
2522	28°32.5'	90°10'	5-23-59	1200-1330	30	M.	82	77	--	60' midwater trawl
2523	28°47'	90°15'	5-23-59	1520-1620	16	M.	80	77	--	60' midwater trawl
2524	28°55'	90°06'	5-23-59	1720-1820	13	M.	79	77	--	60' midwater trawl
2525	28°56'	89°55'	5-23-59	1940-2010	19	M.	79	79	--	60' midwater trawl
2526	29°03'	88°59'	5-24-59	0440-0610	28	M.	79	78	--	60' midwater trawl
2527	29°10'	88°50'	5-24-59	0735-0835	38	M.	82	80	--	60' midwater trawl
2528	29°20'	88°48'	5-24-59	0940-0945	27	M.	82	80	--	60' midwater trawl
2529	29°26'	88°42'	5-24-59	1225-1325	18	M.	80	80	--	60' midwater trawl
2530	29°27'	88°38'	5-24-59	1340-1455	23-26	M.	82	80	--	60' midwater trawl
2531	29°29'	88°35'	5-24-59	1530-1645	26	M.	82	81	--	60' midwater trawl
2532	29°33'	88°28'	5-24-59	1735-1850	25	M.	82	81	--	60' midwater trawl
2533	29°39'	88°22'	5-24-59	2015-2115	21	M.	79	80	--	60' midwater trawl
2534	29°45'	88°09'	5-24-59	2250-2350	21	M.	78	79	--	60' midwater trawl
2535	29°51'	88°01'	5-25-59	0045-0145	16	M.	77	79	--	60' midwater trawl
2536	29°43'	87°46'	5-25-59	0415-0515	23	M.	76	78	--	60' midwater trawl
2537	29°41'	87°44'	5-25-59	0545-0700	23	M.	77	78	--	40' midwater trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2538	29°34'	87°36'	5-25-59	0745-0815	31	M.	82	79	--	40' midwater trawl
2539	29°32'	87°38'	5-25-59	0835-0910	32	M.	82	79	--	40' midwater trawl
2540	29°27'	87°36'	5-25-59	1005-1035	44	M.	82	80	--	40' midwater trawl
2541	29°26'	87°39'	5-25-59	1110-1140	47	M.Rk.	82	80	--	40' midwater trawl
2542	29°28'	87°45'	5-25-59	1235-1305	37	M.Rk.	86	81	--	40' midwater trawl
2543	29°28'	87°47'	5-25-59	1325-1355	35-37	M.	86	82	--	40' midwater trawl
2544	29°30'	87°52'	5-25-59	1430-1530	30-27	--	86	82	--	40' midwater trawl
2545	29°32'	87°56'	5-25-59	1615-1715	25-22	M.	86	81	--	40' midwater trawl
2546	29°33'	87°59'	5-25-59	1740-1915	20	M.Sh.	80	81	--	40' midwater trawl
2547	29°15.5'	88°05'	5-25-59	2125-2325	100	M.	79	80	--	40' midwater trawl
2548	29°08'	87°59'	5-26-59	0055-0255	480-740	--	78	80	--	40' midwater trawl
2549	29°25'	88°58'	5-26-59	1050-1220	9-8	M.	86	82	--	40' midwater trawl
2550	29°28'	88°55'	5-26-59	1240-1340	8	M.	80	82	--	40' midwater trawl
2551	29°25'	88°49'	5-26-59	1420-1530	12-13	M.	81	82	--	40' midwater trawl
2552	29°27'	88°43'	5-26-59	1655-1755	16-17	M.	80	81	--	40' midwater trawl
2553	29°32'	88°33.5'	5-26-59	1840-1940	22	M.	80	81	--	40' midwater trawl
2554	29°40'	88°23'	5-26-59	2100-2200	20	M.	80	80	--	40' midwater trawl
2555	29°46'	88°16'	5-26-59	2300-2400	20-18	M.	79	80	--	40' midwater trawl
2556	29°54'	88°13'	5-27-59	0100-0200	17	M.	79	80	--	40' midwater trawl
2557	29°55'	88°16'	5-27-59	0220-0320	17	M.	79	80	--	40' midwater trawl
2558	29°53'	88°25'	5-27-59	0450-0550	17	M.	79	80	--	40' midwater trawl
2559	29°52'	88°36'	5-27-59	0645-0745	13	M.	86	80	--	40' midwater trawl
2560	29°52'	88°43'	5-27-59	0820-0920	9	M.	88	80	--	40' midwater trawl
2561	29°56'	88°43'	5-27-59	0945-1045	9	M.	84	81	--	40' midwater trawl
2562	29°58'	88°46'	5-27-59	1120-1220	6	M.	84	81	--	40' midwater trawl
2563	30°02'	88°43'	5-27-59	1240-1340	8	M.	80	81	--	40' midwater trawl
2564	30°08'	88°51'	5-27-59	1430-1530	8	M.	86	81	--	40' midwater trawl
2565	26°15'	90°18'	7-23/24-59	0135-0600	1675-1700	M.	79	84	--	40' flat trawl
2566	26°24'	90°45'	7-24-59	1530-1835	1500-1450	M.	83	84	--	40' flat trawl
2567	25°41'	91°02'	7-25-59	0700-1200	1750-1725	M.	84	84	--	30' balloon trawl
2568	25°10'	91°06'	7-26-59	0145-1145	1850	M.	84	84	--	30' balloon trawl
2569	25°27'	91°35'	7-26-59	2035-2105	1600	--	84	84	--	Dip net
2570	26°30'	90°42'	7-27-59	--	1500	--	82	84	--	40' flat trawl
2571	26°34'	90°31'	7-27-59	1205-1705	1300	--	86	84	--	40' flat trawl
2572	26°53'	89°56'	7-27-59	0015-0355	1325	--	80	84	--	40' flat trawl
2573	26°52'	89°44'	7-28-59	1005-1505	1350	M.	83	84	--	40' flat trawl
2574	26°54'	89°53'	7-28-59	2025-0125	1450	M.	83	84	--	40' flat trawl
2575	27°06'	89°13'	7-29-59	0930-1430	1200-1100	M.	84	84	--	40' flat trawl
2576	27°28'	88°58'	7-29-59	1950-0050	1950-0050	M.	86	85	--	40' flat trawl
2577	27°48'	88°45'	7-30-59	0500-0900	850-1100	M.	84	85	--	40' flat trawl
2578	30°16.5'	88°32'	8-18-59	1250-1303	2½	--	--	84.5	--	Lampara net
2579	30°14'	88°33.5'	8-18-59	--	3	--	--	84.5	--	Lampara net
2580	30°16'	88°32'	8-18-59	--	3	--	--	85	--	Dip net
2581	30°17'	88°44.5'	8-19-59	--	2½	--	81	85	--	Lampara net
2582	30°17'	88°44.5'	8-19-59	--	2	--	81	--	--	Lampara net
2583	29°48'	89°01'	8-21-59	0710-0712	2½	--	84	82.5	--	Lampara net
2584	29°48'	89°02'	8-21-59	0915-0915	2	--	84	82.5	--	Lampara net
2585	30°03'	88°53.5'	8-22-59	--	2½	--	--	--	--	Dip net
2586	30°13'	88°57'	8-23-59	2159-2200	2	--	--	--	--	Lampara net
2587	30°13'	88°57.5'	8-23-59	--	2	--	--	--	--	Dip net
2588	30°15'	88°46'	8-24-59	--	3	--	84	85	--	Lampara net
2589	30°15'	88°46'	8-24-59	2355-2356	3	--	83	84.5	--	Lampara net
2590	30°12.5'	88°27'	8-25-59	2135-2141	--	--	83	85.5	--	Lampara net
2591	30°17'	88°29'	8-26-59	1502-1505	--	--	85	86	--	Lampara net
2592	30°18'	88°18'	8-27-59	2121-2125	2	M.	84	86.5	--	Lampara net
2593	30°18'	88°18'	8-27-59	--	2	M.	84	86.5	--	Light station
2594	30°17.5'	88°23.5'	8-28-59	1041-1043	2	M.	92	87	--	Lampara net
2595	30°17.5'	88°23.5'	8-28-59	1214-1215	2	M.	89	86.5	--	Lampara net
2596	30°18.5'	88°23.5'	8-28-59	--	2½	--	86	87	--	Lampara net
2597	30°18.5'	88°23.5'	8-29-59	--	2½	M.	85	87	--	Lampara net
2598	30°13'	88°30'	8-29-59	--	3	--	86	86.5	--	Lampara net
2599	29°45.5'	88°45.5'	8-30-59	--	2½	--	86	86.5	--	Lampara net
2600	29°45.5'	88°51'	8-31-59	0422-0425	2½	--	80	85	--	Lampara net
2601	29°45.5'	88°45.5'	8-31-59	--	2½	--	84	86	--	Light station
2602	30°13.5'	88°33'	9-1-59	2119-2120	2	--	84	85.5	--	Lampara net
2603	18°30'	65°59'	9-25-59	1120-1225	230	--	86	84	--	40' flat trawl
2604	18°30'	65°55'	9-25-59	1320-1345	140-160	M.	86	84.5	--	40' flat trawl
2605	18°32'	65°18'	9-25-59	1920-2020	270	--	80	84	--	40' flat trawl
2606	18°37'	65°04'	9-25-59	2315-0110	210	S.Sh.	82	84	--	40' flat trawl
2607	18°37.5'	64°57'	9-26-59	1715-1850	220	Co.Rk.	82	84	--	40' flat trawl
2608	18°35'	65°03'	9-26-59	1945-2020	42	S.Sp.Co.	83	84	--	40' flat trawl
2609	18°36'	64°47'	9-26-59	2245-2305	25	Co.Rk.Sp.	81	84	--	40' flat trawl
2610	18°35.5'	64°46'	9-26-59	2355-2400	28	--	--	84	--	40' flat trawl
2611	18°34.5'	64°47.5'	9-27-59	0015-0018	28	Co.Sp.	81	84	--	40' flat trawl
2612	18°35'	64°42'	9-27-59	0110-0120	27	--	82	84	--	40' flat trawl
2613	18°35'	64°42.5'	9-27-59	0135-0142	27	Sp.S.	82	84	--	40' flat trawl
2614	18°35'	64°36'	9-27-59	0230-0245	18	Sp.Sh.	82	84	--	40' flat trawl
2615	18°38'	64°33'	9-27-59	0335-0355	15	S.	83	84	--	40' flat trawl
2616	18°50.5'	64°37'	9-27-59	1105-1120	40	S.Sp.	86	84	--	40' flat trawl
2617	18°50.5'	64°38'	9-27-59	1140-1200	41	Sp.S.	86	84	--	40' flat trawl
2618	18°14.5'	64°45'	9-27-59	2125-2135	29	Co.Sp.	83	84	--	40' flat trawl
2619	18°15'	64°49'	9-27-59	2235-2250	26	Co.Sp.S.	82	84	--	40' flat trawl
2620	18°15'	64°58'	9-28-59	0020-0040	23	Co.	82	84	--	40' flat trawl
2621	18°48'	64°41'	9-28-59	0805-0825	26	Co.Rk.	84	84	--	40' flat trawl
2622	18°45'	64°40'	9-28-59	1040-1055	24	S.	84	84	--	40' flat trawl
2623	18°47'	64°46'	9-28-59	1200-1215	35	Rk.Sp.	84	84	--	40' flat trawl
2624	18°46'	64°48'	9-28-59	1300-1315	35	Sp.Co.	84	84	--	40' flat trawl
2625	18°45'	64°47'	9-28-59	1345-1405	38	Co.Rk.G.	--	84	--	40' flat trawl
2626	18°27'	65°35'	9-29-59	0130-0145	40	Co.Sp.	84	84	--	40' flat trawl
2627	18°29'	65°13.5'	9-29-59	0620-0635	--	S.	84	84	--	40' flat trawl
2628	18°05'	65°21'	9-29-59	1255-1315	120	S.	88	85	--	40' flat trawl
2629	18°05.5'	65°20'	9-29-59	1350-1400	24	Rk.Sp.	90	85	--	40' flat trawl
2630	18°07'	65°19'	9-29-59	1555-1615	200-210	--	88	85	--	40' flat trawl
2631	17°28'	63°32'	9-30-59	0805-0815	19	S.Sh.	80	85	--	40' flat trawl
2632	17°30'	63°35'	9-30-59	0850-0910	35	S.Sh.	82	85	--	40' flat trawl
2633	17°34'	63°30'	9-30-59	1015-1030	50	Co.Sp.	83	85	--	40' flat trawl
2634	17°38.5'	63°27'	9-30-59	1215-1235	190-195	S.Sp.	83	85	--	40' flat trawl
2635	17°37'	63°28'	9-30-59	1335-1400	220-235	M.S.Co.	83	85	--	40' flat trawl
2636	17°36'	63°32'	9-30-59	1515-1540	240-260	S.	82	85	--	40' flat trawl
2637	17°37'	63°36'	9-30-59	1645-1720	280	S.M.	82	84.5	--	40' flat trawl
2638	17°40'	63°40'	9-30-59	1820-2130	360-380	S.M.	81	84.5	--	40' flat trawl
2639	17°40'	63°46'	9-30-59	2220-0045	360-450	--	80	84.5	--	40' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2640	17°47'	66°04'	10-4-59	1620-1645	225-240	gy.M.	83	85	--	40' balloon trawl
2641	17°51'	66°08.5'	10-4-59	1850-1900	20	--	82	85	--	40' balloon trawl
2642	17°49'	66°11'	10-4-59	2010-2040	440	M.	82	85	--	40' balloon trawl
2643	18°03'	67°29'	10-5-59	0845-0915	180	M.	88	85	--	40' balloon trawl
2644	18°03'	67°27'	10-5-59	1010-1105	150-180	M.	88	85	--	40' flat trawl
2645	18°12'	67°42'	10-5-59	1620-1650	260	--	82	85	--	40' balloon trawl
2646	18°13'	67°20'	10-5-59	2025-2035	210	--	82	85	--	40' balloon trawl
2647	18°14'	67°20'	10-5-59	2300-2315	210	--	82	85	--	40' balloon trawl
2648	18°13'	67°21'	10-6-59	0045-0115	200	--	80	85	--	40' balloon trawl
2649	18°12'	67°18'	10-6-59	0300-0330	150	M.Co.	82	85	--	40' balloon trawl
2650	18°13'	67°14.5'	10-6-59	0435-0500	125	--	78	85	--	40' balloon trawl
2651	18°16.5'	67°17'	10-6-59	0615-0815	250	M.	82	85	--	40' balloon trawl
2652	18°16'	67°16.5'	10-6-59	0955-1055	230	M.Co.	78	85	--	40' balloon trawl
2653	18°18'	67°17.5'	10-6-59	1235-1315	300	M.Co.	80	85	--	40' balloon trawl
2654	18°26'	67°10.5'	10-6-59	1630-1730	150	S.	78	85	--	40' flat trawl
2655	18°26'	67°11'	10-6-59	1820-1920	125	S.	78	85	--	40' flat trawl
2656	18°24'	67°15'	10-6-59	1955-2055	100	M.S.Co.	78	85	--	40' flat trawl
2657	18°26.5'	67°12'	10-6-59	2210-2340	200	S.M.	78	85	--	40' balloon trawl
2658	18°25.5	67°14'	10-7-59	0110-0210	250	M.Co.	78	85	--	40' balloon trawl
2659	18°26'	67°11.5'	10-7-59	0850-1020	175	--	80	85	--	40' balloon trawl
2660	18°32'	67°09'	10-7-59	1200-1215	22	--	80	85	--	40' balloon trawl
2661	18°31'	67°09'	10-7-59	1245-1255	17	--	80	85	--	40' flat trawl
2662	18°33'	67°07.5'	10-7-59	1340-1350	32	--	80	85	--	40' flat trawl
2663	18°30.5'	66°55'	10-7-59	1615-1625	43	--	80	84	--	40' flat trawl
2664	18°31.5'	66°46.5'	10-7-59	1815-1915	160	M.S.	78	84	--	40' balloon trawl
2665	18°31.5'	66°50'	10-7-59	2000-2100	180	M.	78	84	--	40' flat trawl
2666	18°32'	66°46.5'	10-7-59	2145-2305	200	M.Co.	78	84	--	40' flat trawl
2667	18°31.5'	66°47'	10-8-59	0100-0140	160	M.Co.	78	84	--	40' balloon trawl
2668	18°31'	66°47'	10-8-59	0250-0300	38	M.	78	84	--	40' balloon trawl
2669	18°31'	66°47.5'	10-8-59	1210-1220	38	M.	84	84	--	40' balloon trawl
2670	24°27'	83°26'	10-14-59	1600-1730	210	M.	82	83	--	40' balloon trawl
2671	24°26'	83°24'	10-14-59	1815-2115	212	M.	82	83	--	40' balloon trawl
2672	24°30'	83°33'	10-14/15-59	2200-0100	220	M.	81	83	--	40' balloon trawl
2673	24°25'	83°25'	10-15-59	0145-0345	250	M.	81	83	--	40' balloon trawl
2674	24°28'	83°31'	10-15-59	0435-0735	200	M.	81	83	--	40' balloon trawl
2675	24°23'	83°22'	10-15-59	0810-1110	190	M.	83	83	--	40' balloon trawl
2676	30°07.5'	88°04.5'	11-19-59	0745-0810	8-9	M.	50	63	--	40' midwater trawl
2677	29°56'	86°54'	11-22-59	1245-1430	17	--	70	68	--	40' midwater trawl
2678	29°56'	86°05'	11-23-59	0750-1000	21-22	--	69	68	--	60' midwater trawl
2679	26°58'	83°09'	12-4-59	1415-1515	20	S.Sh.	67	72	--	40' midwater trawl
2680	26°49'	83°19'	12-4-59	1800-2230	26	--	65	72	--	Dip net
2681	26°40'	83°30'	12-5-59	0715-0815	30	S.Sh.	69	75	--	40' midwater trawl
2682	26°38'	83°32'	12-5-59	0835-0940	32	S.Sh.	69	75	--	40' midwater trawl
2683	26°30'	83°45'	12-5-59	1130-1230	48	wh.S.Sh.Co.	69	76	--	40' midwater trawl
2684	27°45'	83°00'	12-5-59	2200-2400	6½	S.Sh.	66	74	--	Night light
2685	28°58'	87°21'	12-9-59	0925-1130	700	gy.M.	62	72	--	40' midwater trawl
2686	29°11.5'	87°48'	12-9-59	1415-1600	420-180	gy.M.	68	71	--	40' midwater trawl
2687	29°27.5'	88°03'	12-9-59	1820-1950	27-24	gy.S.	67	68	--	40' midwater trawl
2688	29°15'	88°31'	12-10-59	0910-0955	42	gy.M.S.	67	68	--	40' midwater trawl
2689	29°15'	88°29.5'	12-10-59	1040-1140	41	gy.M.S.	67	68	--	40' midwater trawl
2690	29°15'	88°32.5'	12-10-59	1205-1235	39	gy.M.S.	68	68	--	40' midwater trawl
2691	29°15'	88°31'	12-10-59	1305-1335	40	gy.M.S.	68	68	--	40' midwater trawl
2692	29°15'	88°33.5'	12-10-59	1405-1505	38	gy.M.	69	68	--	40' midwater trawl
2693	29°17'	88°33'	12-10-59	1830-2230	35	--	69	68	--	Dip net
2694	29°12'	88°33'	12-11-59	0810-0925	42-55	gy.M.	69	69	--	60' midwater trawl
2695	29°15'	88°32.5'	12-11-59	1045-1145	40	gy.M.	69	71	--	60' midwater trawl
2696	29°15'	88°30'	12-11-59	1240-1345	39	gy.M.	71	71	--	60' midwater trawl
2697	29°24'	88°54.5'	12-12-59	0930-1035	9-10	gy.M.S.	58	61	--	60' midwater trawl
2698	29°11.5'	88°35'	12-14-59	1815-1915	43	gy.M.	69	69	--	40' flat trawl
2699	29°11.3'	88°40.5'	12-14-59	1940-2140	41	gy.M.	69	69	--	40' flat trawl
2700	29°11.3'	88°34'	12-14-59	2220-2345	43	gy.M.	65	68	--	40' flat trawl
2701	29°11'	88°40.5'	12-15-59	0015-0200	41	gy.M.	65	67	--	40' balloon trawl
2702	29°10'	88°35.5'	12-15-59	0225-0345	41	gy.M.	64	67	--	40' balloon trawl
2703	29°10'	88°41.5'	12-15-59	0415-0615	42	gy.M.	65	67	--	40' balloon trawl
2704	29°09.8'	88°36'	12-15-59	0630-0745	48	gy.M.	69	69	--	40' balloon trawl
2705	29°09.5'	88°40.5'	12-15-59	0815-0935	44	gy.M.	69	69	--	40' balloon trawl
2706	29°09.2'	88°36'	12-15-59	0955-1045	47	gy.M.	69	69	--	40' balloon trawl
2707	29°09'	88°41'	12-15-59	1115-1215	44	gy.M.	69	69	--	40' balloon trawl
2708	29°09'	88°36.5'	12-15-59	1250-1425	52-70	gy.M.	69	67	--	40' balloon trawl
2709	29°11'	88°33'	12-15-59	1445-1635	60-70	gy.M.	67	67	--	40' balloon trawl
2710	29°37'	84°54.5'	1-21-60	--	3	S.	45	--	--	Lift net
2711	29°37'	84°54.5'	1-21-60	--	3	S.	44	--	--	Lift net
2712	27°43.5'	82°46.5'	1-25-60	--	4	S.	55	56	--	Lift net
2713	27°43.5'	82°46.5'	1-25-60	--	4	S.	54	56	--	Lift net
2714	27°43'	82°52'	1-26-60	1727-1728	5½	S.Sh.	62	57	--	Lampara net
2715	27°43'	82°52'	1-26-60	--	5½	S.Sh.	58	57	--	Lift net
2716	27°43'	82°52'	1-26-60	--	5½	S.Sh.	58	57	--	Lift net
2717	27°43'	82°52'	1-26-60	--	5½	S.Sh.	58	57	--	Lift net
2718	27°42.5'	82°50.5'	1-27-60	0954-0935	4½	S.	61	57	--	Lampara net
2719	27°42.5'	82°50.5'	1-27-60	--	4½	Sh.S.	61	58	--	--
2720	27°42.5'	82°50.5'	1-27-60	--	4½	Sh.S.	61	58	--	Lift net
2721	27°42.5'	82°50.5'	1-27/28-60	--	4½	Sh.S.	59	58	--	Lift net
2722	27°46'	82°53.5'	1-28-60	--	5½	Sh.S.	61	58	--	Lift net
2723	27°46'	82°53.5'	1-28-60	--	5½	Sh.S.	61	58	--	--
2724	25°39'	81°50'	2-2-60	--	6½	gy.S.Sh.	62	63.5	--	Dip net
2725	24°41'	82°25'	2-2-60	--	9	--	68	68	--	--
2726	26°13'	82°10'	2-3-60	--	9½	S.Sh.	67	64	--	Lift net
2727	26°13'	82°10'	2-3-60	--	9½	S.Sh.	65	64	--	Lift net
2728	26°13'	82°10'	2-3-60	--	9	--	65	64	--	Lift net
2729	26°13'	82°10'	2-3/4-60	--	9-8½	--	65	63.5	--	Lift net
2730	26°13'	82°10'	2-4-60	--	9½	--	63	63.5	--	Lift net
2731	27°37'	82°42.5'	2-7-60	--	4	S.Sh.	55	61.5	61.5	Lift net
2732	27°37'	82°42.5'	2-7-60	--	4	S.Sh.	56	61.5	--	Lift net
2733	27°50'	83°45'	2-9-60	--	23	Sh.Co.S.	64	67	--	--
2734	27°47'	83°25'	2-9-60	--	17	S.Sh.Co.	64	67	--	--
2735	27°42'	83°09'	2-10-60	--	10½	S.Sh.	61	66	--	--
2736	27°34'	82°43.5'	2-10-60	--	3½	wh.S.Sh.	68	61	--	Lift net
2737	29°40'	85°16.5'	2-15-60	--	4	M.gy.S.	40	55	--	--
2738	29°12'	88°37'	3-5-60	1255-1330	41	--	46	62	--	60' midwater trawl
2739	29°12.5'	88°36'	3-5-60	1355-1550	42	--	46	62	--	60' midwater trawl
2740	29°13'	88°34'	3-5-60	1610-1725	52	--	48	62	--	60' midwater trawl
2741	29°10'	88°43'	3-6-60	0810-0900	41	--	50	63	--	60' midwater trawl
2742	29°09'	88°40'	3-6-60	1020-1120	50-40	--	50	63	--	60' midwater trawl
2743	29°10.5'	88°42'	3-6-60	1245-1345	42	--	52	62	--	60' midwater trawl
2744	29°08'	88°43'	3-6-60	1420-1540	46-42	--	52	62	--	60' midwater trawl
2745	29°08'	88°40'	3-6-60	1655-1845	48	--	50	62	--	60' midwater trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2746	28° 10'	86° 41'	3-7-60	0720-0830	41-49	--	56	63	--	60' midwater trawl
2747	28° 08'	86° 41'	3-7-60	0850-1030	48	--	56	63	--	60' midwater trawl
2748	28° 09'	86° 43'	3-7-60	1110-1225	46	--	54	63	--	60' midwater trawl
2749	28° 08'	86° 48'	3-7-60	1350-1450	42	--	56	63	--	60' midwater trawl
2750	29° 17'	88° 56'	3-7-60	1640-1755	21	--	50	50	--	60' midwater trawl
2751	29° 23'	88° 51'	3-7-60	1930-0530	13	--	50	45	--	Mercury light station
2752	29° 15'	88° 55'	3-8-60	0845-0915	22	--	52	48	--	60' midwater trawl
2753	29° 16'	88° 55'	3-8-60	0940-1100	20	--	52	48	--	60' midwater trawl
2754	29° 12.5'	88° 55.5'	3-8-60	1130-1330	18	--	56	47	--	60' midwater trawl
2755	29° 17.5'	88° 54'	3-8-60	1740-1845	21-24	--	54	50	--	60' midwater trawl
2756	29° 09.5'	88° 38'	3-9-60	1140-1300	45-43	--	68	63	--	60' midwater trawl
2757	29° 11'	88° 39'	3-9-60	1330-1425	43-49	--	65	63	--	60' midwater trawl
2758	29° 08'	88° 41'	3-9-60	1455-1715	50	--	65	63	--	60' midwater trawl
2759	29° 11.5'	88° 38.5'	3-9-60	1805-1925	40-42	--	62	63	--	60' midwater trawl
2760	29° 51'	88° 22'	3-10-60	0725-0835	19	--	56	59	--	60' midwater trawl
2761	29° 50'	88° 22'	3-10-60	0900-1000	19-18	--	56	59	--	60' midwater trawl
2762	24° 35'	83° 10'	4-1-60	1810-1840	35	Sh.S.Co.	76	76	--	Plankton net
2763	12° 15'	69° 02'	4-9-60	1900-2400	500	--	79	80	--	Night light
2764	12° 38'	69° 17'	4-10-60	0615-0730	1000	--	81	80	--	Longline
2765	12° 40'	68° 04'	4-11-60	0600-0730	2300	--	80	80	--	Longline
2766	12° 07'	66° 29'	4-12-60	0650-0745	500-2000	--	82	78	--	Longline
2766A	12° 10'	66° 25'	4-12-60	1350-1610	1700	--	80	80	--	Midwater plankton trawl
2766B	12° 10'	66° 10'	4-12-60	1640-2015	2130	--	79	80	--	6' midwater trawl
2767	12° 10.5'	64° 41'	4-13-60	0930-1120	1250	--	79	80	--	Longline
2768	12° 36'	63° 40'	4-14-60	0530-0820	600-1300	--	80	80	--	Longline
2768A	12° 13'	63° 20'	4-14-60	1710-2010	--	--	79	80	--	6' midwater trawl
2769	11° 55'	62° 40'	4-15-60	0605-0700	700	--	81	80	--	Longline
2770	11° 40'	62° 40'	4-15-60	1245-1435	215	--	81	80	--	40' shrimp trawl
2771	11° 40'	62° 27'	4-15-60	1535-1735	220	--	80	80	--	40' flat trawl
2772	11° 30'	62° 29'	4-18-60	1930-2120	180	--	79	80	--	40' flat trawl
2773	11° 33'	62° 42'	4-18-60	2330-0040	210-280	--	79	80	--	40' flat trawl
2774	11° 32'	62° 40'	4-19-60	0235-0535	195-212	--	79	80	--	40' flat trawl
2775	11° 35'	62° 37'	4-19-60	0645-0825	220-230	--	80	80	--	40' flat trawl
2776	11° 36'	62° 42'	4-19-60	1000-1200	235	--	80	80	--	40' flat trawl
2777	11° 36'	62° 46'	4-19-60	1520-1800	--	--	79	80	--	40' flat trawl
2778	11° 40'	63° 05'	4-19-60	2130-2330	240-250	--	79	80	--	40' flat trawl
2779	11° 35'	62° 59'	4-20-60	0105-0405	260-240	--	79	80	--	40' flat trawl
2780	11° 36'	62° 52'	4-20-60	0520-0700	215-230	--	80	80	--	40' flat trawl
2781	11° 34'	62° 49'	4-20-60	0850-0940	160-200	--	81	80	--	40' flat trawl
2782	11° 33'	62° 30'	4-20-60	1245-1345	200	--	82	80	--	40' flat trawl
2782A	12° 22'	61° 46'	4-21-60	0240-0330	1500	--	78	80	--	Dip net
2783	12° 24'	61° 51'	4-21-60	0500-0700	1475	--	82	80	--	Longline
2784	14° 12'	61° 08	4-21/22-60	--	1400	--	79	80	--	Dip net
2785	14° 13'	61° 14'	4-22-60	0430-0600	1500	--	80	80	--	Longline
2786	15° 23'	63° 58'	4-23-60	0600-0730	900	--	80	80	--	Longline
2787	17° 50'	66° 56'	4-24-60	1120-1340	700-1250	yl.Cl.S.	86	80	--	Midwater plankton trawl
2788	17° 57'	67° 21'	4-24-60	1515-1800	210	brd.gy.S.	78	80	--	Midwater plankton trawl
2789	18° 35'	67° 34'	4-24-60	2130-0110	800	--	77	80	--	Dip net
2790	18° 39'	67° 35.5'	4-25-60	0300-0520	600-1900	Rk.	78	81	--	Longline
2791	20° 20'	75° 51'	4-27-60	0605-0705	1200-800	--	83	81	--	Longline
2792	21° 28'	76° 09'	4-28-60	0430-0530	1900-1350	--	78	79	--	Longline
2793	23° 25'	79° 51'	4-29-60	1000-1240	270	--	78	79	--	Midwater plankton trawl
2794	23° 30'	80° 10'	4-29-60	1300-1605	240-460	--	82	79	--	Midwater plankton trawl
2795	23° 38'	80° 30'	4-29-60	1625-1925	460	--	82	79	--	Midwater plankton trawl
2796	28° 20'	87° 48'	5-3-60	0505-0900	1300	gy.M.S.	73	74	--	Longline
2797	29° 27.8'	88° 50'	5-27-60	2152-2300	9	gy.M.S.	78	76	--	Lift net
2798	29° 05'	88° 48'	5-28-60	1725-1920	48	gy.M.	83	80	--	60' midwater trawl
2799	29° 12'	88° 26'	5-29-60	0820-0905	78	gy.M.	80	79	--	60' midwater trawl
2800	29° 12'	88° 26'	5-29-60	1015-1130	78	gy.M.	80	80	--	60' midwater trawl
2801	29° 13'	88° 23'	5-30-60	--	65	gy.M.	78	79.5	--	Mercury night light
2802	29° 13'	88° 11.5'	5-31-60	1800-1915	68-63	gy.M.	78	79	--	65' midwater trawl
2803	29° 13.5'	88° 13'	6-1-60	0820-0830	68	gy.M.	81	79	--	40' flat trawl
2804	29° 13.5'	88° 12.5'	6-1-60	0915-1000	68	gy.M.	81	79	--	40' flat trawl
2805	29° 50.5'	87° 43'	6-1-60	2045-2115	18	gy.S.	80	84	--	25' flat trawl
2806	29° 50.5'	87° 42'	6-1-60	2130-2200	17	gy.S.	80	84	--	25' flat trawl
2807	29° 52.5'	87° 39.5'	6-1-60	2215-2245	16	gy.S.	80	84	--	25' flat trawl
2808	29° 54'	87° 34.5'	6-1-60	2300-2330	16	gy.S.	79	84	--	25' flat trawl
2809	29° 55'	87° 31.5'	6-1/2-60	2345-0015	16	gy.S.	79	84	--	25' flat trawl
2810	29° 56'	87° 28'	6-2-60	0030-0100	16	gy.S.	78	82	--	25' flat trawl
2811	29° 57'	87° 31'	6-2-60	0115-0145	16	gy.S.	78	82	--	25' flat trawl
2812	29° 57'	87° 31'	6-2-60	0215-0245	16	gy.S.	79	81	--	25' flat trawl
2813	28° 48'	87° 57'	7-13-60	0510-1110	1000	M.	90	85	--	65' flat trawl
2814	28° 53'	87° 47'	7-13-60	1425-1925	950-1050	--	84	85	--	65' flat trawl
2815	28° 49.5'	87° 57'	7-13-60	2305-0405	980	--	84	85	--	40' balloon trawl
2816	28° 38'	88° 18'	7-14-60	--	950	--	89	85	--	40' balloon trawl
2817	28° 3 '	88° 16'	7-14-60	1505-2005	1000	--	--	85	--	40' balloon trawl
2818	28° 40'	88° 10'	7-15-60	2400-0145	1050-800	--	83	85	--	40' balloon trawl
2819	28° 35'	88° 16.5'	7-15-60	0700-1100	1000-900	--	--	85	--	40' balloon trawl
2820	28° 23'	88° 21.5'	7-15-60	1545-2045	1000	--	86	85	--	40' balloon trawl
2821	28° 47.5'	87° 57'	7-16-60	0725-1230	1000-1100	--	83	85	--	40' balloon trawl
2822	28° 55'	87° 49'	7-16-60	1725-1840	900	--	84	85	--	40' balloon trawl
2823	29° 09'	87° 52.5'	7-17-60	1255-0455	500-575	--	84	85	--	40' balloon trawl
2824	29° 07.5'	88° 04'	7-17-60	0710-1010	365-395	--	86	85	--	40' balloon trawl
2825	29° 12.5'	87° 53.5'	7-17-60	1140-1440	240-245	gy.M.	89	85	--	40' flat trawl
2826	29° 15'	88° 05'	7-17-60	1605-1640	115-100	--	84	85	--	40' balloon trawl
2827	29° 16.5'	88° 04.5'	7-17-60	1735-1935	90-80	--	84	86	--	40' balloon trawl
2828	29° 56'	87° 29.5'	7-18-60	0040-0110	16½	--	78	87	--	25' flat trawl
2829	29° 57'	87° 32'	7-18-60	0145-0215	16½	--	78	86	--	25' flat trawl
2830	29° 57'	87° 30'	7-18-60	--	17	--	78	86	--	25' flat trawl
2831	29° 56'	87° 28'	7-18-60	0315-0345	17	--	78	86	--	25' flat trawl
2832	29° 56'	87° 30.5'	7-18-60	0405-0435	17	--	78	86	--	25' flat trawl
2833	29° 58'	87° 33'	7-18-60	0505-0540	16	--	78	86	--	25' flat trawl
2834	29° 56.5'	87° 33.5'	7-18-60	0555-0625	17	--	80	86	--	25' flat trawl
2835	29° 56'	87° 33.5'	7-18-60	0640-0710	16	--	80	86	--	25' flat trawl
2836	29° 56.5'	87° 33'	7-18-60	0725-0755	16	--	82	86	--	25' flat trawl
2837	29° 56.5'	87° 32'	7-18-60	0830-0900	16	--	84	86	--	25' flat trawl
2838	29° 56'	87° 34'	7-18-60	0915-0950	17	--	84	86	--	25' flat trawl
2839	29° 55.5'	87° 35.5'	7-18-60	1005-1035	16	--	83	86	--	25' flat trawl
2840	29° 55.5'	87° 33'	7-18-60	1055-1125	17	--	86	86	--	25' flat trawl
2841	29° 57'	87° 33'	7-18-60	1140-1210	17	--	86	86	--	25' flat trawl
2842	29° 56'	87° 34'	7-18-60	1235-1305	17	--	86	86	--	25' flat trawl
2843	29° 55.5'	87° 35'	7-18-60	1320-1350	17	--	86	86	--	25' flat trawl
2844	29° 56'	87° 35.5'	7-18-60	1410-1440	17-15	--	--	--	--	25' flat trawl
2845	29° 58'	87° 36'	7-18-60	1500-1530	15	--	86	86	--	25' flat trawl
2846	29° 58'	87° 35'	7-18-60	1550-1620	16	--	85	86	--	25' flat trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2847	30°08'	86°23'	7-26-60	1145-1220	8	M.S.	93	88	--	40' balloon trawl
2848	30°07'	86°21'	7-26-60	1240-1255	10	gy.M.S.	92	88	--	Gill net
2849	30°07'	86°21'	7-26-60	1315-1445	10	gy.M.S.	92	88	--	Gill net
2850	30°07'	86°21'	7-26-60	1315-1415	10-11	gy.M.S.	92	88	--	25' flat trawl
2851	30°08'	86°23'	7-26-60	1520-1555	9	gy.M.S.	91	88	--	25' flat trawl
2852	28°46'	91°13.5'	8-2-60	1830-2030	7-5	--	79	85	--	40' balloon trawl
2853	28°45'	91°22'	8-3-60	0605-0805	10-12	M.	85	85	--	40' balloon trawl
2854	28°33'	91°22'	8-3-60	0930-1035	20-23	M.	88	86	--	40' balloon trawl
2855	28°25'	91°32'	8-3-60	1210-1340	32-34	M.	87	87	--	40' balloon trawl
2856	28°15'	91°35'	8-3-60	1445-1545	40-42	M.	89	87	--	40' balloon trawl
2857	27°53'	91°47'	8-3-60	1930-2230	110	--	85	87	--	Dip net
2858	28°12'	91°50'	8-4-60	0620-0755	40	--	86	86	--	40' balloon trawl
2859	28°25'	91°52.5'	8-4-60	0855-1025	28-30	M.	90	85.5	--	40' balloon trawl
2860	28°38.5'	91°55'	8-4-60	1135-1305	17-20	M.	92	86.5	--	40' balloon trawl
2861	28°43'	91°56'	8-4-60	1335-1445	17-20	M.	85	87	--	71' balloon trawl
2862	28°37'	91°51.5'	8-4-60	1525-1725	18-22	M.	89	87	--	71' balloon trawl
2863	28°45'	91°57'	8-4-60	1810-1910	16	M.	86	86	--	71' balloon trawl
2864	28°42'	91°58'	8-5-60	0730-0930	16-19	M.	86	86.5	--	71' balloon trawl
2865	29°04'	92°04'	8-5-60	1150-1215	--	--	86	85.5	--	Plankton net
2866	29°07'	92°05'	8-5-60	1300-1500	7	M.	92	88	--	71' balloon trawl
2867	29°30'	92°36.5'	8-5-60	1905-2005	5	M.	85	86.5	--	71' balloon trawl
2868	29°31'	92°40'	8-5-60	2025-2325	--	--	84	86	--	Dip net
2869	29°31'	92°45'	8-6-60	0605-0805	6	M.	93	86	--	71' balloon trawl
2870	29°31'	92°59'	8-6-60	0905-1105	6½	M.	93	86.5	--	71' balloon trawl
2871	29°28'	93°05'	8-6-60	1155-1355	7	M.	91	86.5	--	71' balloon trawl
2872	29°20'	93°12'	8-6-60	1500-1600	9	M.	89	86.5	--	71' balloon trawl
2873	29°29'	93°19'	8-6-60	1755-1855	7	M.	85	87	--	71' balloon trawl
2874	29°37.5'	93°22'	8-6-60	1940-2010	6	M.	84	86.5	--	71' balloon trawl
2875	29°40'	93°23'	8-7-60	0605-0805	5½	M.	84	86.5	--	71' balloon trawl
2876	29°43'	93°30'	8-7-60	0830-1015	5½	M.	82	86	--	71' balloon trawl
2877	29°39'	93°38'	8-7-60	1045-1245	5½	M.	87	87.4	--	70' balloon trawl
2878	29°37'	93°44.5'	8-7-60	1305-1505	5½-6	M.S.Sh.	86	87	--	71' balloon trawl
2879	29°34'	93°52'	8-7-60	1525-1725	6	M.S.Sh.	88	86.5	--	71' balloon trawl
2880	29°33'	94°03'	8-7-60	1745-1845	6	M.S.Sh.	84	86.5	--	71' balloon trawl
2881	29°31'	94°10'	8-7-60	1935-2135	6½	M.	83	86.5	--	71' balloon trawl
2882	29°24'	94°25'	8-8-60	0620-0820	6-3/4	M.	86	86	--	71' balloon trawl
2883	29°12'	94°50'	8-10-60	1255-1355	6-7	M.	86	87	--	71' balloon trawl
2884	29°10'	94°56'	8-10-60	1440-1640	5	M.	84	86	--	71' balloon trawl
2885	29°05'	95°03'	8-10-60	1725-1855	7.5	M.S.	84	86	--	71' balloon trawl
2886	28°53'	95°04'	8-10-60	2025-2225	10½	M.S.	84	85.5	--	40' & 71' balloon trawl
2887	28°57'	95°01'	8-10-60	2320-0120	10	M.	84	85	--	40' & 71' balloon trawl
2888	28°38'	95°03'	8-11-60	0605-0905	15	M.	82	86	--	40' & 71' balloon trawl
2889	28°17'	95°05'	8-11-60	1025-1155	24-27	M.	85	84.5	--	40' balloon trawl
2890	28°05'	95°05'	8-11-60	1250-1420	32-43	M.	87	83	--	40' balloon trawl
2891	27°55'	95°12'	8-11-60	1710-1810	50	M.	81	84.5	--	40' balloon trawl
2892	27°55.5'	95°10'	8-11-60	1825-1925	45	M.	79	83.5	--	40' balloon trawl
2893	27°56'	95°14'	8-11-60	--	45	M.	79	83.5	--	Dip net
2894	28°05'	95°18'	8-12-60	0720-0850	30	M.	76	83.5	--	40' balloon trawl
2895	28°18'	95°22'	8-12-60	1000-1100	20	M.	78	84.5	--	40' balloon trawl
2896	28°18.5'	95°19.5'	8-12-60	1120-1220	20	M.	82	84.5	--	40' balloon trawl
2897	28°21'	95°24'	8-12-60	1300-1500	18	M.S.Sh.	79	84.5	--	71' balloon trawl
2898	28°30'	95°25'	8-12-60	1620-1820	15	M.	79.5	84.5	--	71' balloon trawl
2899	28°33'	95°33'	8-12-60	1945-2130	11	M.	79	85	--	71' balloon trawl
2900	28°34'	95°27'	8-12-60	2200-0100	11	M.	75	85	--	Dip net
2901	28°40'	95°38'	8-13-60	--	7	M.	77	85	--	71' balloon trawl
2902	28°39.5'	95°45'	8-13-60	0845-1015	5½	M.	80	85	--	71' balloon trawl
2903	28°39'	95°50'	8-13-60	1030-1200	5½	M.	82	84	--	71' balloon trawl
2904	28°32'	95°54'	8-13-60	1220-1350	5-7	M.	82	84.5	--	71' balloon trawl
2905	28°29'	95°56'	8-13-60	1415-1715	7	S.	82	84.5	--	71' balloon trawl
2906	28°25'	96°10'	8-13-60	1810-1910	8-10	M.	82	84.5	--	65' flat trawl
2907	28°25'	96°10'	8-13-60	1925-2055	10	M.	81	84	--	65' flat trawl
2908	28°08'	96°12'	8-14-60	0640-0840	15	M.S.	80	82.5	--	65' flat trawl
2909	28°00'	96°16'	8-14-60	1020-1150	21	M.S.	82	83.5	--	65' flat trawl
2910	27°58'	96°09'	8-14-60	1225-1355	25	M.	75	83.5	--	65' flat trawl
2911	28°09'	96°20'	8-14-60	--	13	M.	83	83	--	65' flat trawl
2912	28°04'	96°25'	8-14-60	1930-2130	14	M.	81	85	--	65' flat trawl
2913	28°16'	96°26'	8-15-60	0700-0930	7	M.	87	83	--	65' flat trawl
2914	28°14'	96°33.5'	8-15-60	0905-1035	5-6	S.	86	84	--	65' flat trawl
2915	28°10'	96°41.5'	8-15-60	1055-1225	5	S.	87	84	--	65' flat trawl
2916	28°01.5'	96°48.5'	8-15-60	1315-1445	7	M.	87	84.4	--	65' flat trawl
2917	27°54'	96°52'	8-15-60	1530-1700	9	S.M.	84	84.4	--	65' flat trawl
2918	27°50'	96°57'	8-15-60	--	9	M.	84	84.5	--	Dip net
2919	27°43.5'	96°12.5'	8-18-60	0630-0730	42	M.	85	84	--	40' balloon trawl
2920	27°44'	96°10'	8-18-60	0755-0855	42	M.	86	84	--	71' balloon trawl
2921	27°43'	95°55'	8-18-60	1145-1245	49	M.	90	85	--	40' balloon trawl
2922	27°54'	95°45'	8-18-60	1555-1655	32	M.	89	84.5	--	40' balloon trawl
2923	27°48'	95°36'	8-18-60	2000-0300	44	M.	86	84.5	--	Dip net
2924	28°00'	95°21.5'	8-19-60	0745-0845	34	M.	84	84	--	40' balloon trawl
2925	28°07'	94°56'	8-19-60	1105-1205	30	M.S.Sh.	85	85	--	40' balloon trawl
2926	28°21'	94°45'	8-19-60	1425-1525	22	M.	84	86	--	65' flat trawl
2927	28°35'	94°34'	8-19-60	1655-1755	17	M.	84	85.5	--	65' flat trawl
2928	28°30'	94°28'	8-19-60	1910-2010	20	M.	83	86.3	--	65' flat trawl
2929	28°17'	94°20'	8-20-60	0635-0735	27	M.	84	84.5	--	65' flat trawl
2930	28°10'	94°15'	8-20-60	0900-1000	32	M.	85	84.5	--	40' balloon trawl
2931	28°10'	93°30'	8-21-60	0615-0715	35	M.	85	85	--	40' balloon trawl
2932	28°25'	93°21.5'	8-21-60	0905-1005	27	--	86	85.3	--	40' balloon trawl
2933	28°41'	93°00'	8-21-60	1310-1410	18	--	84	85	--	40' balloon trawl
2934	28°43'	92°51'	8-21-60	1505-1705	17	--	84	85	--	71' balloon trawl
2935	28°42.5'	92°29'	8-21-60	1820-1920	18-19	M.	84	85	--	40' balloon trawl
2936	28°42.5'	92°26.5'	8-21-60	--	20	M.	--	85	--	Night light
2937	28°43'	92°25'	8-22-60	0625-0725	20	--	84	84.5	--	40' balloon trawl
2938	28°45'	91°58'	8-22-60	1030-1130	16	M.	84	84.5	--	40' balloon trawl
2939	28°37'	91°41'	8-22-60	1335-1435	19-22	--	86	85	--	40' balloon trawl
2940	28°41'	91°52'	8-22-60	1645-1815	17	M.	86	85	--	71' balloon trawl
2941	28°42'	91°54'	8-22-60	--	17	M.	83	84.5	--	Dip net
2942	28°08'	91°12'	8-23-60	1100-1230	57	M.	86	85	--	40' balloon trawl
2943	27°46'	90°55'	8-23-60	1605-1710	360-450	M.	85	85	--	60' midwater trawl
2944	27°40'	90°50'	8-24-60	1820-0540	600-700	M.	85	85	--	40' midwater trawl
2945	28°33'	88°48'	8-24-60	1800-0500	650	M.	85	85	--	40' midwater trawl
2946	29°14'	88°25.5'	9-7-60	--	34	--	84	85	--	Submarine light
2947	29°00'	88°23.5'	9-7-60	--	424	gy.M.	84	84	--	268' Tampara net
2948	28°52.5'	88°00'	9-7/8-60	--	800	gy.M.	82	84	--	Dip net
2949	29°05'	88°44'	9-8-60	--	48	M.S.	81	84.5	--	Lift net
2950	29°05'	88°44'	9-8-60	--	48	M.S.	81	84	--	Lift net
2951	29°14.5'	88°25.5'	9-12-60	--	38	gy.M.	79	83.5	--	Submarine light

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2952	29°14.5'	88°25.5'	9-12/13-60	--	38	gy.M.	80	83.5	--	500 watt above-surface light
2953	28°52'	88°08'	9-13-60	--	720	gy.M.	88	83	--	Trolling jigs
2954	28°13'	88°23'	9-13-60	--	1050	bu.M.	81	83.5	--	Night light
2955	30°02'	87°35.5'	9-22-60	1845-1915	16	gy.S.Sh.	82	83	--	25' flat trawl
2956	29°59'	87°34.5'	9-22-60	1940-2010	16	gy.S.Sh.	82	83	--	25' flat trawl
2957	29°58'	87°34.5'	9-22-60	2030-2100	16	gy.S.Sh.	82	83	--	25' flat trawl
2958	29°58'	87°33'	9-22-60	2130-2200	16	gy.S.Sh.	81	82	--	25' flat trawl
2959	29°58'	87°35'	9-22-60	2220-2250	16	gy.S.Sh.	81	82	--	25' flat trawl
2960	28°26'	92°56'	10-5-60	2245-2400	29	--	78	80	--	40' balloon trawl
2961	28°36'	93°04'	10-6-60	0125-0225	18	--	78	80	--	40' balloon trawl
2962	28°45'	93°15'	10-6-60	0340-0440	14	--	79	80	--	40' balloon trawl
2963	28°55'	93°28'	10-6-60	0555-0655	11	M.S.Sh.	78	81	--	40' balloon trawl
2964	29°03'	93°28'	10-6-60	0805-0905	10	M.S.Sh.	79	81	--	40' balloon trawl
2965	29°09'	93°38'	10-6-60	1015-1115	9	M.S.Sh.	77	81	--	40' balloon trawl
2966	29°12'	93°46'	10-6-60	1230-1330	7	--	78	81	--	40' balloon trawl
2967	29°20'	93°56'	10-6-60	1445-1545	7	--	78	81	--	40' balloon trawl
2968	29°33'	94°12'	10-6-60	1645-1755	8	--	78	81	--	40' balloon trawl
2969	29°33'	94°12'	10-6-60	1830-2030	4½	S.Sh.	79	80	--	71' balloon trawl
2970	29°30'	94°21'	10-6-60	2045-2300	5	M.S.Sh.	79	80	--	71' balloon trawl
2971	29°27'	94°30'	10-7-60	0620-0820	5-3	M.S.Sh.	69	79	--	71' balloon trawl
2972	29°34'	94°20'	10-7-60	0835-1035	5	M.S.Sh.	71	79	--	71' balloon trawl
2973	29°35'	94°09'	10-7-60	1105-1235	5-4	--	84	80	--	71' balloon trawl
2974	29°36'	94°02'	10-7-60	1250-1450	5	--	82	80	--	71' balloon trawl
2975	29°31'	94°07'	10-7-60	1640-1830	6	M.S.Sh.	72	80	--	71' balloon trawl
2976	29°15'	94°41'	10-7-60	2130-2235	8	M.Sh.	78	79.5	--	71' balloon trawl
2977	29°13'	94°46'	10-7/8-60	2245-0013	9	M.Sh.	78	79.5	--	71' balloon trawl
2978	29°03'	94°47'	10-8-60	0135-0235	10	--	77	79	--	71' balloon trawl
2979	28°45'	94°47'	10-8-60	0350-0450	13-14	--	74	79	--	40' balloon trawl
2980	28°32'	94°48'	10-8-60	0625-0725	18	M.Sh.	78	80	--	40' balloon trawl
2981	28°18'	94°47'	10-8-60	0850-0950	25	M.S.Sh.	79	81	--	40' balloon trawl
2982	28°02'	94°48'	10-8-60	1115-1215	41	M.S.Sh.	80	81	--	40' balloon trawl
2983	28°05'	94°54'	10-8-60	1345-1445	34	--	83	82	--	40' balloon trawl
2984	28°14'	95°07'	10-8-60	1605-1705	24	--	84	82	--	40' balloon trawl
2985	28°22'	95°11'	10-8-60	1755-1915	18	M.Sh.	81	81	--	40' balloon trawl
2986	28°25'	95°19'	10-8-60	1930-2125	16	M.Sh.	81	81	--	71' balloon trawl
2987	28°28'	95°26'	10-8-60	2145-2345	14	M.Sh.	80	81	--	71' balloon trawl
2988	28°33'	95°34'	10-9-60	0030-0130	10-11	--	80	81	--	71' balloon trawl
2989	28°34'	95°44'	10-9-60	0220-0320	9-10	--	79	81	--	71' balloon trawl
2990	28°34'	95°54'	10-9-60	0410-0515	7	--	79	81	--	71' balloon trawl
2991	28°32'	96°02'	10-9-60	0535-0645	6	gy.S.	79	81	--	71' balloon trawl
2992	28°23'	96°18'	10-9-60	0830-0935	6	brd.S.	81	81	--	71' balloon trawl
2993	28°14'	96°29'	10-9-60	1100-1200	8	gy.S.	82	81	--	71' balloon trawl
2994	28°08'	96°39'	10-9-60	1315-1415	6	--	84	81	--	71' balloon trawl
2995	28°02'	96°50'	10-9-60	1530-1630	6	--	84	81	--	71' balloon trawl
2996	27°48'	97°00.5'	10-9-60	1815-1915	6	brd.S.	81	81.5	--	71' balloon trawl
2997	27°40'	96°54'	10-9-60	2035-2200	14	M.	80	81	--	71' balloon trawl
2998	27°35'	96°48'	10-9-60	2240-2345	20	M.	80	81	--	71' balloon trawl
2999	27°30'	96°45'	10-10-60	0030-0145	26-32	--	80	81	--	71' balloon trawl
3000	27°23'	96°38'	10-10-60	0340-0440	40-44	--	80	81	--	40' balloon trawl
3001	27°16'	96°36'	10-10-60	0545-0700	45	M.	80	81	--	40' balloon trawl
3002	27°09'	96°46'	10-10-60	0820-0940	36	M.	81	81	--	40' balloon trawl
3003	27°04'	96°57'	10-10-60	1055-1155	24	M.	81	81	--	65' flat trawl
3004	27°01'	97°05'	10-10-60	1255-1355	15-18	--	84	81	--	65' flat trawl
3005	26°52'	97°17'	10-10-60	1445-1555	8-10	--	86	81	--	65' flat trawl
3006	26°48'	97°18'	10-10-60	1620-1750	5-8	S.Sh.	82	82	--	65' flat trawl
3007	26°45'	97°11'	10-10-60	1825-1925	10	S.Sh.	82	82	--	65' flat trawl
3008	26°43'	97°06'	10-10-60	2020-2150	17	S.Sh.	82	82	--	71' balloon trawl
3009	26°41'	96°50'	10-10/11-60	2300-2400	22	M.S.Sh.	81	82	--	71' balloon trawl
3010	26°36'	96°55'	10-11-60	0205-0335	30-34	--	79	81	--	40' balloon trawl
3011	26°34'	96°37'	10-11-60	0440-0550	40-44	M.S.Sh.	79	81	--	40' balloon trawl
3012	26°32'	96°28'	10-11-60	0725-0820	56	M.S.	81	81.5	--	40' balloon trawl
3013	26°30'	96°33'	10-11-60	0930-1055	36-35	M.	82	81	--	71' balloon trawl
3014	26°25'	96°36'	10-11-60	1135-1250	32	M.S.	82	81	--	71' balloon trawl
3015	26°29'	96°38'	10-11-60	1315-1415	32	--	85	81	--	71' balloon trawl
3016	26°28'	96°42'	10-11-60	1530-1630	25	--	84	81	--	71' balloon trawl
3017	26°19'	96°50'	10-11-60	1800-1915	22	M.S.	84	82	--	71' balloon trawl
3018	26°14'	96°48'	10-11-60	1930-2130	24	M.S.	83	82	--	71' balloon trawl
3019	26°06'	96°41'	10-11-60	2220-2350	26-29	M.S.Sh.	82	81	--	71' balloon trawl
3020	26°05'	96°34'	10-12-60	0015-0145	30	--	80	81	--	71' balloon trawl
3021	26°08'	96°50'	10-12-60	0325-0510	22	--	79	81	--	71' balloon trawl
3022	26°18'	96°56'	10-12-60	0530-0700	21	M.S.	81	81.5	--	71' balloon trawl
3023	26°26'	96°55'	10-12-60	0715-0900	20-21	M.Cl.	81	81.5	--	71' balloon trawl
3024	26°35'	96°56'	10-12-60	0915-1045	21-18	M.S.Sh.	82	81.5	--	71' balloon trawl
3025	26°33'	97°02.5'	10-12-60	1100-1230	18-11	--	86	81	--	71' balloon trawl
3026	26°33'	97°09'	10-12-60	1355-1425	11-8	--	86	81	--	71' balloon trawl
3027	26°28'	97°11'	10-12-60	1445-1615	8-5	--	88	81	--	71' balloon trawl
3028	26°21'	97°10'	10-12-60	1650-1820	5	S.	89	81	--	71' balloon trawl
3029	26°16'	97°08'	10-12-60	1925-2040	9	S.	84	81	--	71' balloon trawl
3030	26°17'	97°03.5'	10-12-60	2055-2225	11	M.Sh.	82	81	--	71' balloon trawl
3031	26°21'	96°57.5'	10-12/13-60	2345-0035	19	M.S.Sh.	81	82	--	65' flat trawl
3032	26°17'	96°59'	10-13-60	0155-0325	15	--	79	81	--	71' balloon trawl
3033	26°06'	97°02'	10-13-60	0420-0550	13	--	80	81	--	71' balloon trawl
3034	26°01.5'	97°05.5'	10-13-60	0630-0735	9½	Co.M.S.	82	82	--	71' balloon trawl
3035	25°59'	97°07.5'	10-13-60	0830-0930	5-7	S.M.Sh.	83	82	--	40' balloon trawl
3036	25°58'	97°02.5'	10-13-60	1015-1115	13-14½	Co.M.Sh.	83	82	--	40' balloon trawl
3037	25°56'	96°58'	10-13-60	1140-1310	16	Co.M.Sh.	83	82	--	40' balloon trawl
3038	25°55'	96°50'	10-13-60	1355-1525	22-26	--	84	82	--	40' balloon trawl
3039	25°52'	96°45'	10-13-60	1545-1645	26	--	84	82	--	40' balloon trawl
3040	25°52'	96°40'	10-13-60	1730-1900	29	M.Sh.	82	82.5	--	71' balloon trawl
3041	25°56.5'	96°29'	10-13-60	2010-2200	40	M.S.Sh.	82	82.5	--	71' balloon trawl
3042	26°06'	96°25.5'	10-13/14-60	2230-0000	38	M.S.Sh.	82	82	--	71' balloon trawl
3043	26°10.5'	96°32'	10-14-60	0035-0235	28-26	--	82	82	--	71' balloon trawl
3044	26°14'	96°38'	10-14-60	0305-0425	26	--	82	82	--	40' balloon trawl
3045	26°55'	96°40.5'	10-17-60	2235-2335	45-47	M.	80	82	--	71' balloon trawl
3046	27°50'	96°33'	10-17-60	0630-0800	20	M.	79	81	--	71' balloon trawl
3047	27°42'	97°01'	10-21-60	0940-1040	10	M.	69	78	--	71' balloon trawl
3048	27°35'	97°06'	10-21-60	1130-1230	10	M.	69	78	--	71' balloon trawl
3049	27°24'	97°15'	10-21-60	1330-1430	6	--	69	77	--	71' balloon trawl
3050	27°20'	97°18'	10-21-60	1450-1550	6	--	69	77	--	71' balloon trawl
3051	27°18.5'	97°10'	10-21-60	1705-1805	13	--	68	77	--	71' balloon trawl
3052	27°17.5'	96°58.5'	10-21-60	1900-2015	20	M.	73	79.5	--	71' balloon trawl
3053	27°18'	96°48'	10-21-60	2120-2325	30	M.	72	79	--	71' balloon trawl
3054	27°45'	96°35'	10-22-60	0215-0315	22	--	75	78	--	71' balloon trawl
3055	27°44'	96°24'	10-22-60	0505-0605	32	--	74	78	--	71' balloon trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
3056	27°58'	96°12.5'	10-22-60	0800-0920	50-40	M.Co.	74	81	--	71' balloon trawl
3057	27°53'	96°37'	10-22-60	1315-1415	15	--	75	78	--	71' balloon trawl
3058	28°00'	96°43'	10-22-60	1535-1635	10	--	78	77	--	71' balloon trawl
3059	29°22'	94°37'	10-23-60	0845-0945	5-4	M.Sh.S.	83	74	--	71' balloon trawl
3060	29°34'	94°15'	10-23-60	1215-1415	4	--	78	75	--	71' balloon trawl
306_	29°34'	93°54'	10-23-60	1610-1710	6	--	76	75	--	71' balloon trawl
3062	29°32'	93°42'	10-23-60	1810-1910	7	M.S.Sh.	74	75	--	71' balloon trawl
3063	29°33'	93°30'	10-23-60	2000-2100	7	gy.M.	74	75	--	71' balloon trawl
3064	29°34'	93°20'	10-23-60	2200-2300	6½	M.S.Sh.	73	75	--	71' balloon trawl
3065	29°25'	93°07'	10-24-60	0020-0120	8	--	74	76	--	71' balloon trawl
3066	29°12'	92°56'	10-24-60	0315-0345	10	--	75	76	--	71' balloon trawl
3067	29°03'	92°48'	10-24-60	0500-0540	13	--	75	77	--	71' balloon trawl
3068	28°53'	92°41'	10-24-60	0645-0750	15	gy.M.Sh.	75	77	--	71' balloon trawl
3069	28°40.5'	92°34'	10-24-60	0900-1000	19-20	gy.M.	78	77.5	--	71' balloon trawl
3070	28°34'	92°20'	10-24-60	1125-1240	25	gy.M.S.	78	78	--	71' balloon trawl
3071	28°24'	92°00'	10-24-60	1430-1545	32	--	76	78	--	71' balloon trawl
3072	28°11'	91°58'	10-24-60	1740-1840	40	--	75	78	--	71' balloon trawl
3073	28°22'	91°37'	10-24-60	2115-2220	34	M.	75	79	--	40' balloon trawl
3074	28°31'	91°39'	10-24/25-60	2345-0045	24	M.	75	79	--	60' balloon trawl
3075	28°31'	91°32'	10-25-60	0105-0205	23	--	75	79	--	60' balloon trawl
3076	28°30'	91°23'	10-25-60	0230-0330	23	--	76	80	--	60' balloon trawl
3077	28°29'	91°15'	10-25-60	0350-0450	22	--	76	80	--	60' balloon trawl
3078	28°28'	91°12'	10-25-60	0535-0640	22	--	76	80	--	71' balloon trawl
3079	28°31'	91°11'	10-25-60	0710-0825	20	M.	76	79	--	60' balloon trawl
3080	28°33.5'	91°04'	10-25-60	0935-1100	14	M.	76	78	--	71' balloon trawl
3081	28°37'	90°48'	10-25-60	1220-1320	10	--	76	79	--	60' balloon trawl
3082	28°37'	90°34.5'	10-25-60	1445-1545	12-15	--	76	79	--	71' balloon trawl
3083	28°36'	90°27'	10-25-60	1605-1705	16	--	76	79	--	71' balloon trawl
3084	28°36'	90°23'	10-25-60	1725-1830	17	--	76	79	--	71' balloon trawl
3085	28°44'	90°13'	10-25-60	1845-1955	20	--	76	79	--	71' balloon trawl
3086	28°38.5'	90°11'	10-25-60	2030-2200	22	M.S.	76	79	--	60' balloon trawl
3087	28°36'	90°19'	10-25-60	2240-2350	22	M.S.	75	79	--	60' balloon trawl
3088	28°35'	90°12'	10-26-60	0110-0120	26	--	76	79	--	71' balloon trawl
3089	28°33'	90°06'	10-26-60	0305-0415	34-41	--	76	79	--	71' balloon trawl
3090	28°21'	90°04'	10-26-60	0500-0515	50	--	76	79	--	71' balloon trawl
3091	28°42'	90°02'	10-26-60	0915-1015	25	M.	77	79	--	71' balloon trawl
3092	28°49'	90°03'	10-26-60	1130-1230	20	M.	77	79	--	71' balloon trawl
3093	29°00'	89°52'	10-26-60	1405-1510	16	--	76	77	--	71' balloon trawl
3094	29°09'	89°49'	10-26-60	--	10	--	75	77	--	60' balloon trawl
3095	29°12'	89°46'	10-26-60	1745-1820	6	--	75	79	--	60' balloon trawl
3096	29°06'	89°41'	10-26-60	1940-2025	13	M.	76	76	--	71' balloon trawl
3097	29°02.5'	89°39'	10-26-60	2045-2145	16	M.	76	76	--	71' balloon trawl
3098	29°00'	89°35'	10-26-60	2200-2300	22	M.	76	77	--	71' balloon trawl
3099	28°57'	89°32.5'	10-26/27-60	2320-0050	26	M.	76	76	--	71' balloon trawl
3100	29°00'	89°42'	10-27-60	0130-0230	23	--	76	76	--	71' balloon trawl
3101	29°00'	89°55'	10-27-60	0340-0410	16	--	76	76	--	71' balloon trawl
3102	28°58'	88°18'	10-27-60	1815-0000	545-445	gy.M.	77	78	--	60' midwater trawl
3103	30°09.5'	88°42'	11-18-60	1410-1510	7½	bu.M.S.	66	66.5	--	71' balloon trawl
3104	30°02'	88°38'	11-18-60	1710-1810	11	M.S.Sh.	66	67	--	71' balloon trawl
3105	29°55'	88°28'	11-18-60	1935-2040	16	--	67	70	--	71' balloon trawl
3106	29°44'	88°26'	11-18-60	2150-2320	21	--	68	74	--	71' balloon trawl
3107	29°34'	88°25'	11-19-60	0015-0145	26	gy.S.Sh.	67	74.5	--	71' balloon trawl
3108	29°31'	88°37'	11-19-60	0240-0420	19	M.S.	67	73.5	--	71' balloon trawl
3109	29°26.5'	88°45'	11-19-60	0445-0615	16	gy.M.S.	67	73	--	71' balloon trawl
3110	29°22.5'	88°51'	11-19-60	0635-0805	14	--	68	73	--	71' balloon trawl
3111	29°53'	88°57'	11-19-60	0855-1025	8	--	67	73	--	71' balloon trawl
3112	29°29'	88°52'	11-19-60	1110-1240	8	--	68	73	--	71' balloon trawl
3113	29°27'	88°36'	11-19-60	1535-1700	26	gy.M.	81	73.5	--	71' balloon trawl
3114	29°21'	88°39'	11-19-60	1745-1845	32	--	67	73	--	71' balloon trawl
3115	29°15'	88°44'	11-19-60	1935-2050	37	--	68	76	--	71' balloon trawl
3116	29°11.5'	88°39'	11-19-60	2200-0000	41	--	76	71	67	71' balloon trawl
3117	29°16'	88°26'	11-20-60	0235-0405	40	M.S.	71	75	--	71' balloon trawl
3118	29°19'	88°15'	11-20-60	0715-0815	35	--	72	76	--	71' balloon trawl
3119	29°25'	88°13'	11-20-60	0915-1015	30	--	74	74	--	71' balloon trawl
3120	29°29'	88°10'	11-20-60	1115-1245	25	--	74	74	--	71' balloon trawl
3121	29°34'	88°15'	11-20-60	1325-1425	22	--	74	74	--	71' balloon trawl
3122	29°39'	88°11'	11-20-60	1505-1605	21	gy.S.	71	74	--	71' balloon trawl
3123	29°48'	88°15'	11-20-60	1705-1805	20	--	71	74	--	71' balloon trawl
3124	29°55'	88°11'	11-20-60	1905-2005	17	--	71	72	--	71' balloon trawl
3125	29°58'	88°05'	11-20-60	2050-2220	15	--	74	71	--	71' balloon trawl
3126	30°00'	87°59'	11-20-60	2305-0015	13	--	69	70	--	71' balloon trawl
3127	29°56'	87°51'	11-21-60	0105-0220	18	--	69	70	--	71' balloon trawl
3128	29°48'	87°45'	11-21-60	0315-0430	21-23	--	69	72.5	--	71' balloon trawl
3129	29°39'	87°40'	11-21-60	0520-0635	20	--	69	72.5	--	71' balloon trawl
3130	29°35'	87°35'	11-21-60	0715-0740	30	--	72	72	--	71' balloon trawl
3131	29°29'	87°46'	11-21-60	0955-1055	35	--	75	73	--	71' balloon trawl
3132	29°24'	87°38'	11-21-60	1320-1420	60-70	--	74	74	--	71' balloon trawl
3133	29°35.5'	87°22.5'	11-21-60	1735-1835	44	--	71	74.5	--	71' balloon trawl
3134	29°43'	87°24'	11-21-60	2040-2155	32	--	71	74	--	71' balloon trawl
3135	29°51'	87°24'	11-21-60	2350-0050	18	--	71	76	--	71' balloon trawl
3136	29°58'	87°28'	11-22-60	0210-0315	18	gy.S.Sh.	71	73.5	--	71' balloon trawl
3137	30°04'	87°31'	11-22-60	0405-0505	15	S.Sh.	71	71	--	71' balloon trawl
3138	30°08.5'	87°26'	11-22-60	0550-0650	15	--	71	71	--	71' balloon trawl
3139	30°13'	87°30'	11-22-60	0745-0845	8	--	72	69	--	71' balloon trawl
3140	30°13'	87°35'	11-22-60	0855-0955	4	--	72	69	--	71' balloon trawl
3141	30°14'	87°39'	11-22-60	1010-1110	5	--	72	69	--	71' balloon trawl
3142	30°13'	87°44'	11-22-60	1125-1225	5	--	72	69	--	71' balloon trawl
3143	30°06'	87°53'	11-22-60	1405-1505	8-10	--	74	70.5	--	71' balloon trawl
3144	30°09.5'	88°10'	11-22-60	1645-1745	10	--	71	69	--	71' balloon trawl
3145	30°15'	88°13'	11-22-60	1805-1905	7	--	71	69	--	71' balloon trawl
3146	29°59'	88°16'	11-22-60	2220-2330	16	--	74	69	--	71' balloon trawl
3147	30°13.5'	88°13'	11-23-60	0515-0630	7	--	69	68.5	--	71' balloon trawl
3148	30°08'	88°13'	11-23-60	0645-0815	7	--	69	67	--	71' balloon trawl
3149	30°14'	88°10'	11-23-60	0830-0930	5	--	70	67	--	71' balloon trawl
3150	30°14'	88°14'	11-23-60	0945-1100	5	--	70	67	--	71' balloon trawl
3151	30°12.5'	88°11'	11-23-60	1520-1700	7-8	--	77	69	--	71' balloon trawl
3152	30°12'	88°11'	11-23-60	1720-1920	7	--	77	70	--	71' balloon trawl
3153	30°15'	88°14'	11-29-60	1335-1505	7	--	63	69	--	60/80' balloon trawl
3154	30°12'	88°08'	11-29-60	1525-1655	7	--	61	69	--	60/80' balloon trawl
3155	30°12'	88°07'	11-29-60	1710-1840	7	--	60	69	--	60/80' balloon trawl
3156	30°13'	88°08'	11-30-60	0905-1030	7	--	44	68	--	70/84' balloon trawl

Table 1.--M/V Oregon station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
3157	30°13'	88°13.5'	11-30-60	--	6½-8	--	50	68	--	60' balloon trawl
3158	30°12.5'	88°12.5'	12-1-60	0625-0755	7½-8	--	41	66	--	60' balloon trawl
3159	30°12.5'	88°12.5'	12-1-60	0810-0940	8	--	41	66	--	60' balloon trawl
3160	30°12'	88°12'	12-1-60	1000-1140	8	--	44	66	--	70/84' balloon trawl
3161	30°12'	88°12'	12-1-60	1150-1320	7-8	--	45	66	--	60/80' balloon trawl
3162	30°13'	88°13'	12-2-60	0800-1000	4-7	--	41	62	--	70' balloon trawl
3163	30°11'	88°07'	12-2-60	1015-1215	7	--	44	62	--	70/84' balloon trawl
3164	30°12'	88°12'	12-2-60	1240-1440	6	--	46	62	--	60/80' balloon trawl
3165	30°12'	88°07'	12-2-60	1455-1655	6	--	46	62	--	60/80' balloon trawl
3166	29°18'	87°50'	12-3-60	0720-0850	100	--	64	74	--	60/80' balloon trawl
3167	29°16'	87°56'	12-3-60	0930-1100	115-95	--	64	74	--	60/80' balloon trawl
3168	29°16'	87°52'	12-3-60	1200-1330	150	--	66	74	--	60/80' balloon trawl
3169	29°13'	87°57'	12-3-60	1520-1745	225	--	68	74	--	70' balloon trawl
3170	29°11'	88°05'	12-3-60	1915-2045	225	--	64	74	--	70/84' balloon trawl
3171	29°13'	88°57'	12-3-60	2140-2310	225	--	64	74	--	70/84' balloon trawl
3172	29°14'	87°50'	12-4-60	0010-0310	225	--	64	74	--	70/84' balloon trawl
3173	29°20'	87°40'	12-4-60	0435-0610	110-90	--	64	74	--	70/84' balloon trawl
3174	29°23'	88°06'	12-4-60	0925-1025	40	--	70	73	--	60/80' balloon trawl

Table 2.--M/V Combat station list

M/V COMBAT STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1	29 17'	80 04'	7-27-56	0727-1130	200-205	M.	--	83	--	40' flat trawl
2	29 36'	80 11'	7-27-56	1241-1640	210-215	--	92	83	--	40' flat trawl
3	29 48'	80 15'	7-27-56	1818-2118	200	M.	80	82	--	40' flat trawl
4	29 43'	80 12'	7-27-56	2219-0400	200	M.	--	82	--	40' flat trawl
5	--	--	7-28-56	--	--	--	--	--	--	40' flat trawl
6	29 47'	80 13'	7-28-56	--	190-200	M.	78	80	--	100' flat trawl
7	29 47'	80 12'	7-28-56	1523-1725	200-250	M.	93	85	--	90' balloon trawl
8	29 56'	80 13'	7-28-56	--	200	--	--	--	--	90' balloon trawl
9	29 46'	80 12'	7-29-56	2400-0425	200	--	80	82	--	80' balloon trawl
10	29 38'	80 11'	7-29-56	0514-0647	175	--	80	82	--	80' balloon trawl
11	29 49'	80 1'	7-29-56	0824-1224	200	M.	90	83	53	80' balloon trawl
12	29 57.5'	80 11'	7-30-56	0917-1220	180	--	90	85	47.5	40' balloon trawl
13	29 55'	80 12'	7-30-56	1358-1657	190	--	92	83	48	40' balloon trawl
14	29 55'	80 12'	7-30-56	--	175-80	M.	--	--	--	40' balloon trawl
15	29 54'	80 12.5'	7-30-56	2200-0100	190	--	--	--	--	40' balloon trawl
16	29 55'	80 08'	7-31-56	1055-1400	197	--	91	85	--	40' flat trawl
17	29 47'	80 10'	7-31-56	1610-1840	200	M.	92	85	--	40' flat trawl
18	29 53'	80 09'	8-6-56	2020-2320	175	--	78	--	--	40' flat trawl
19	29 40'	80 11'	8-7-56	2418-0415	175	bu.M.	70	--	--	40' flat trawl
20	29 26'	80 08'	8-7-56	0515-0815	195-200	M.	--	--	--	40' flat trawl
21	29 39'	80 12'	8-7-56	0910-1210	175	M.	78	--	--	40' flat trawl
22	29 48'	80 11'	8-7-56	1300-1600	185	M.	89	81	--	40' flat trawl
23	29 55'	80 12'	8-7-56	1705-2005	185-90	M.	89	81	--	40' flat trawl
24	29 47'	80 12'	8-7-56	2055-2400	185-95	--	--	--	--	40' flat trawl
25	29 55'	80 11'	8-8-56	0105-0500	185-95	M.	--	--	--	40' flat trawl
26	29 42'	80 11'	8-8-56	0555-1000	185-95	M.	81	81	--	40' flat trawl
27	29 55'	80 12'	8-8-56	1045-1445	185-95	M.	81	81	--	40' flat trawl
28	29 47'	80 12'	8-8-56	1537-1900	185-95	M.	80	81	--	40' flat trawl
29	29 55'	80 12'	8-8-56	2008-0005	170-75	M.	81	82	--	40' flat trawl
30	29 45'	80 12'	8-9-56	--	185	M.	80	82	--	40' flat trawl
31	29 40'	80 12'	8-9-56	0614-0945	205-210	M.	80	81	--	40' flat trawl
32	29 57'	80 10'	8-9-56	1045-1350	200-205	M.	--	--	--	40' flat trawl
33	29 56'	80 11'	8-9-56	--	200	M.	84	82	--	40' flat trawl
34	29 56'	80 11'	8-9-56	2033-2435	200	M.	80	83	--	40' flat trawl
35	29 55'	80 11'	8-10-56	0204-0605	200	M.	78	83	--	40' flat trawl
36	29 56'	80 11'	8-10-56	0742-1150	210	M.	80	83	--	40' flat trawl
37	29 44'	80 12'	8-10-56	1242-1645	210	M.	95	83	--	40' flat trawl
38	29 57'	80 11'	8-10-56	1740-2145	210-25	M.	83	83	--	40' flat trawl
39	29 50'	80 12'	8-10-56	2250-0030	200	M.	80	83	--	40' flat trawl
40	29 56'	80 11'	8-16-56	1920-2320	200	M.	80	--	--	100' flat trawl
41	29 50'	80 12'	8-17-56	0010-0300	200	M.	--	83	--	100' flat trawl
42	29 58'	80 10'	8-17-56	0305-0605	200	M.	--	--	--	100' flat trawl
43	29 58'	80 11'	8-17-56	0744-1145	200	M.	--	--	--	56' flat trawl
44	29 53'	80 11'	8-17-56	1130-1537	190	M.	88	--	--	56' flat trawl
45	29 46'	80 11'	8-17-56	1648-1948	180	M.	80	83	--	56' flat trawl
46	29 57'	80 11'	8-18-56	0840-1145	175	M.	84	83	--	56' flat trawl
47	29 50'	80 11'	8-18-56	--	185	M.	85	83	--	56' flat trawl
48	29 44'	80 12'	8-18-56	1900-2305	175	M.	80	84	--	56' flat trawl
49	29 58'	80 09'	8-19-56	0015-0405	185	M.	78	84	--	56' flat trawl
50	29 47'	80 11'	8-19-56	0455-0725	185	M.	80	83	--	56' flat trawl
51	29 44'	80 12'	8-19-56	0815-1210	185	M.	80	83	--	56' flat trawl
52	29 58'	80 09'	8-19-56	1443-1840	190	M.	90	83	--	40' flat trawl
53	29 50'	80 11'	8-19-56	1930-2325	185	M.	82	83	--	40' flat trawl
54	29 42'	80 10'	8-20-56	2420-0325	180	M.	80	83	--	40' flat trawl
55	29 58'	80 10'	8-20-56	--	180	M.	80	83	--	40' flat trawl
56	29 55'	80 10'	8-20-56	0928-1435	--	M.	82	83	--	40' flat trawl
57	29 49'	80 12'	8-20-56	1048-1355	180	M.	83	85	--	40' flat trawl
58	30 00'	80 10'	8-20-56	1750-2125	170	M.	83	86	--	40' flat trawl
59	30 00'	80 10'	8-20-56	1652-2040	170	M.	83	85	--	40' flat trawl
60	29 56'	80 09'	8-21-56	0905-1310	185-90	M.	84	84	--	40' flat trawl
61	29 47'	80 11'	8-21-56	1355-1732	190	M.	82	83	--	40' flat trawl
62	29 40'	80 11'	8-21-56	1820-1945	170	M.	78	83	--	40' flat trawl
63	30 24'	81 10'	8-22-56	0915-1015	13	--	84	78	--	40' flat trawl
64	30 20'	81 06'	8-22-56	1112-1215	13	--	83	78	--	40' flat trawl
65	30 16'	80 00'	8-22-56	1309-1410	16	--	80	78	--	40' flat trawl
66	30 17'	80 57'	8-30-56	--	12½	S.Sh.	--	--	--	40' flat trawl
67	30 15'	80 52'	8-30-56	1913-1944	13	S.Sh.	82	--	--	40' flat trawl
68	30 17'	80 41'	8-30-56	--	16	S.Sh.	81	--	--	40' flat trawl
69	30 20'	80 28'	8-31-56	0003-0033	18	--	--	--	--	40' flat trawl
70	30 16'	80 21'	8-31-56	0211-0240	22	--	--	--	--	40' flat trawl
71	30 15'	80 19'	8-31-56	0355-0600	22	--	81	--	--	80' balloon trawl
72	30 11'	80 17'	8-31-56	0709-0740	32	--	--	--	--	40' flat trawl
73	30 11'	80 17'	8-31-56	0822-0857	45	--	--	84	82	40' flat trawl
74	30 10'	80 14'	8-31-56	--	50-52	S.Sh.	84	84	--	40' flat trawl
75	30 07'	80 14'	8-31-56	1050-1205	65	S.Sh.	86	84	--	40' flat trawl
76	--	--	8-31-56	1224-1330	65	S.Sh.	86	84	--	40' flat trawl
77	30 03'	80 15'	8-31-56	1356-1458	80	S.Sh.	91	--	--	40' flat trawl
78	30 01'	80 14'	8-31-56	1548-1720	100	S.Sh.	88	84	--	40' flat trawl
79	30 00'	80 14'	9-1-56	0805-0933	110	--	80	80	--	40' flat trawl
80	29 57'	80 13'	9-1-56	1022-1252	130	--	--	--	--	40' flat trawl
81	29 51'	80 14'	9-1-56	1422-1553	80	--	--	--	--	10' beam trawl
82	29 48'	80 12'	9-1-56	1640-1844	130	--	87	--	--	10' beam trawl
83	29 57'	80 10'	9-1-56	2127-0322	180	--	--	--	--	10' beam trawl
84	29 56'	80 10'	9-1-56	2143-0245	190	--	--	--	--	40' flat trawl
85	29 55'	80 12'	9-2-56	0542-1130	170	gn.S.	84	--	--	10' beam trawl
86	29 55'	80 12'	9-2-56	--	170	--	84	--	--	40' flat trawl
87	29 35'	80 11'	9-2-56	1518-1618	170	gn.M.	86	--	--	40' flat trawl
88	29 09'	80 12'	9-3-56	0758-0809	35	--	90	--	--	10' beam trawl
89	28 54'	80 09'	9-3-56	1050-1126	45	Co.	88	--	--	10' beam trawl
90	28 52'	80 05'	9-3-56	1252-1351	65	--	82	--	--	10' beam trawl
91	28 50'	80 04'	9-3-56	1430-1630	80	--	81	--	--	10' beam trawl
92	28 47'	80 00'	9-3-56	--	100	gn. M.	80	--	--	10' beam trawl
93	28 43'	80 05'	9-3-56	2018-2040	40	--	--	--	--	10' beam trawl
94	28 47'	80 08'	9-3-56	2319-2355	30	Sh.	--	--	--	40' flat trawl
95	28 45'	80 10'	9-4-56	0020-0130	25	--	--	--	--	40' flat trawl
96	28 58'	80 07'	9-4-56	0247-0347	46	--	--	--	--	40' flat trawl
97	29 06'	80 16'	9-4-56	0540-0642	30	--	78	--	--	40' flat trawl
98	29 40'	80 17'	9-4-56	1738-1837	40	--	78	--	--	40' flat trawl
99	29 38'	80 15'	9-4-56	--	44	Co.	78	84	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
100	29 43'	80 19'	9-4-56	--	23	--	--	--	--	40' flat trawl
101	29 48'	80 25'	9-4-56	2310-0010	23	--	--	--	--	40' flat trawl
102	29 57'	80 12'	9-13-56	2320-0417	175-185	--	--	--	--	40' flat trawl
103	29 57'	80 12'	9-13-56	2327-0335	175-185	--	--	--	--	40' flat trawl
104	29 48'	80 12'	9-14-56	0530-1120	185	gn.M.	--	--	--	40' flat trawl
105	29 48'	80 12'	9-14-56	0543-0946	185	gn.M.	--	--	--	40' flat trawl
106	29 42'	80 11'	9-14-56	1230-1315	180	gn.M.	--	--	--	40' flat trawl
107	29 43'	80 12'	9-14-56	1506-1835	200	gn.M.	--	--	--	40' flat trawl
108	29 58'	80 10'	9-14-56	1928-0047	185	gn.M.	--	--	--	40' flat trawl
109	29 58'	80 10'	9-14-56	1947-0000	185	gn.M.	78	--	--	40' flat trawl
110	29 57'	80 11'	9-15-56	0300-0700	185-195	M.	--	--	--	40' flat trawl
111	29 44'	80 11'	9-15-56	0748-1205	200	gn.M.	--	--	--	40' flat trawl
112	29 33'	80 10'	9-15-56	1248-1703	180	gn.M.	--	--	--	40' flat trawl
113	29 48'	80 12'	9-15-56	1750-2053	180	gn.M.	--	--	--	40' flat trawl
114	29 59'	80 10'	9-16-56	2225-0200	185	M.	--	--	--	56' flat trawl
115	29 57'	80 11'	9-16-56	0315-0706	180	M.	--	--	--	56' flat trawl
116	29 55'	80 12'	9-16-56	1015-1415	180	bu.M.	--	--	--	56' flat trawl
117	29 47'	80 13'	9-16-56	1510-1805	175	M.	89	80	--	56' flat trawl
118	29 58'	80 11'	9-16-56	1925-2230	185	gn.M.	--	--	--	40' flat trawl
119	29 52'	80 11'	9-16-56	2317-0225	180	gn.M.	--	--	--	40' flat trawl
120	29 44'	80 13'	9-17-56	0331-0705	180	gn.M.	--	--	--	40' flat trawl
121	29 57'	80 11'	9-17-56	0830-1210	175	M.	--	--	--	40' flat trawl
122	29 46'	80 12'	9-17-56	1305-1535	175-185	M.	--	--	--	40' flat trawl
123	29 55'	80 12'	9-17-56	1635-1940	175	--	--	--	--	40' flat trawl
124	29 45'	80 12'	9-17-56	2037-2335	175	--	--	--	--	40' flat trawl
125	29 56'	80 12'	9-18-56	0026-0428	180	gn.M.	70	--	--	40' flat trawl
126	29 43'	80 13'	9-18-56	0523-0925	175	M.	78	--	--	40' flat trawl
127	29 30'	80 09'	9-18-56	1022-1522	210	M.	76	--	--	40' flat trawl
128	29 20'	80 05'	9-18-56	1615-2015	200	M.	--	--	--	40' flat trawl
129	29 10'	80 03'	9-18-56	2105-0110	200	M.	--	--	--	40' flat trawl
130	29 04'	79 59'	9-19-56	0215-0610	210-215	--	--	--	--	40' flat trawl
131	28 58'	79 57'	9-19-56	0710-1025	225	M.	78	--	--	40' flat trawl
132	28 53'	80 01'	9-19-56	1135-1335	150	M.	--	--	--	40' flat trawl
133	28 49'	79 56'	9-19-56	1432-1532	165	gy.M.	--	--	--	40' flat trawl
134	29 56'	80 10'	10-2-56	2300-0200	180-185	--	--	--	--	56' flat trawl
135	29 45'	80 13'	10-3-56	0258-0552	170	gn.M.	--	--	--	56' flat trawl
136	29 38'	80 10'	10-3-56	0645-1001	200	gn.M.	--	--	--	56' flat trawl
137	29 56'	80 09'	10-3-56	1135-1435	185	gn.M.	--	--	--	40' flat trawl
138	29 52'	80 12'	10-3-56	1617-1920	185	gn.M.	--	--	--	40' flat trawl
139	29 48'	80 12'	10-3-56	2030-2330	170	gn.M.	--	--	--	40' flat trawl
140	30-00	80 10'	10-4-56	0025-0438	180	gn.M.	--	--	--	40' flat trawl
141	29 56'	80 11'	10-18-56	2005-2258	180	--	--	--	--	40' flat trawl
142	29 47'	80 11'	10-18-56	2355-0312	200	gn.M.	--	--	--	40' flat trawl
143	29 39'	80 11'	10-19-56	0423-0745	220	gn.M.	--	--	--	40' flat trawl
144	29 54'	80 09'	10-19-56	0848-1150	210	--	--	--	--	40' flat trawl
145	29 43'	80 08'	10-19-56	1245-1555	230	--	--	--	--	40' flat trawl
146	29 35'	80 10'	10-19-56	1655-2000	210	--	--	--	--	40' flat trawl
147	29 78'	80 10'	10-19-56	2055-2400	210	--	--	--	--	40' flat trawl
148	29 23'	80 08'	10-20-56	0105-0407	185	--	--	--	--	40' flat trawl
149	29 22'	80 07'	10-20-56	0513-0905	185	--	--	--	--	40' flat trawl
150	29 22'	80 07'	10-20-56	0530-0830	185	--	--	--	--	40' flat trawl
151	29 16'	80 05'	10-20-56	0955-1300	185	gn.M.	--	--	--	40' flat trawl
152	29 31'	80 09'	10-20-56	1345-1800	185	gn.M.	--	--	--	40' flat trawl
153	29 31'	80 09'	10-20-56	1420-1725	185	gn.M.	--	--	--	40' flat trawl
154	29 30'	80 08'	10-20-56	1915-2312	185	--	--	--	--	40' flat trawl
155	29 30'	80 08'	10-20-56	1930-2235	180	--	--	--	--	40' flat trawl
156	29 22'	80 07'	10-21-56	0020-0420	--	gn.M.	--	--	--	40' flat trawl
157	29 20'	80 08'	10-21-56	--	185	gn.M.	--	--	--	40' flat trawl
158	30 42'	80 38'	10-31-56	1814-1910	18	S.Sh.	--	--	--	40' flat trawl
159	30 49'	80 29'	10-31-56	2009-2107	20	--	--	--	--	40' flat trawl
160	30 54'	80 15'	10-31-56	2230-2330	21	--	--	--	--	40' flat trawl
161	31 01'	80 02'	11-1-56	0115-0215	25	--	--	--	--	40' flat trawl
162	31 05'	79 56'	11-1-56	--	30	--	--	--	--	40' flat trawl
163	31 11'	79 55'	11-1-56	0504-0605	30	--	--	--	--	40' flat trawl
164	32 12'	79 07'	11-1-56	1408-1510	50	--	--	--	--	40' flat trawl
165	32 16'	79 05'	11-1-56	1548-1714	40	--	--	--	--	40' flat trawl
166	32 22'	79 06'	11-1-56	1812-1914	25	--	--	--	--	40' flat trawl
167	32 26'	79 03'	11-1-56	--	23	--	--	--	--	40' flat trawl
168	32 32'	78 58'	11-1-56	2133-2230	20	--	--	--	--	40' flat trawl
169	32 37'	78 53'	11-1-56	2315-0015	18	--	--	--	--	40' flat trawl
170	35 07'	75 04'	11-11-56	2007-2153	190	--	--	--	--	40' flat trawl
171	34 39'	75 05'	11-13-56	1950-2145	190-210	--	--	--	--	40' flat trawl
172	34 39'	75 10'	11-13-56	2235-0037	195-210	--	--	--	--	40' flat trawl
173	34 53'	73 20'	11-14-56	0130-0330	225	--	--	--	--	40' flat trawl
174	34 45'	75 28'	11-14-56	0440-0638	175	--	--	--	--	40' flat trawl
175	34 07'	76 06'	11-15-56	1727-1927	175	--	--	--	--	40' flat trawl
176	34 02'	76 09'	11-15-56	2030-0130	150	--	--	--	--	40' flat trawl
177	33 57'	76 14'	11-15-56	2330-0130	200	--	--	--	--	40' flat trawl
178	33 51'	76 18'	11-16-56	0255-0457	225	--	--	--	--	40' flat trawl
179	33 43'	76 22'	11-16-56	0611-0815	250	--	--	--	--	40' flat trawl
180	30 39'	70 39'	--	1010-1118	125	--	--	--	--	40' balloon trawl
181	33 33'	76 41'	11-16-56	1305-1505	150	--	--	--	--	40' balloon trawl
182	33 11'	76 58'	11-17-56	1915-2045	210	--	--	--	--	40' balloon trawl
183	33 05'	77 11'	11-17-56	2230-0005	190	--	--	--	--	40' balloon trawl
184	33 60'	77 21'	11-17-56	0300-0435	170	--	--	--	--	10' beam trawl
185	29 55'	80 10'	12-5-56	0100-0400	185	gn.M.	--	--	--	40' flat trawl
186	29 44'	80 09'	12-5-56	0500-0800	220	gn.M.	--	--	--	40' flat trawl
187	29 37'	80 12'	12-5-56	0853-1158	180	gn.M.	--	--	--	40' flat trawl
188	29 31'	80 09'	12-5-56	1300-1600	180	--	--	--	--	40' flat trawl
189	29 24'	80 08'	12-5-56	1648-1655	230	gn.M.	--	--	--	40' flat trawl
190	29 55'	80 11'	1-8-57	1835-0140	180	gn.M.	61	--	--	40' flat trawl
191	29 52'	80 10'	1-8-57	2240-2135	210	gn.M.	--	--	--	40' flat trawl
192	29 50'	80 13'	1-9-57	0250-0550	160	--	61	--	--	40' flat trawl
193	29 47'	80 12'	1-9-57	0700-1000	185-190	gy.M.	--	--	--	40' flat trawl
194	29 41'	80 11'	1-9-57	1100-1410	185	gy.M.	--	--	--	40' flat trawl
195	29 55'	80 11'	1-9-57	1645-1950	185	gy.M.	--	--	--	40' flat trawl
196	29 48'	80 12'	1-9-57	2040-2350	185	gy.M.	--	--	--	40' flat trawl
197	29 44'	80 12'	1-10-57	0100-0410	185	--	70	--	--	40' flat trawl
198	29 58'	80 12'	1-10-57	0610-0915	185	gy.M.	70	--	--	40' flat trawl
199	29 50'	80 10'	1-10-57	1020-1220	230	gn.M.	70	--	--	40' flat trawl
200	30 24'	80 26'	1-10-57	1730-1830	21-22	--	72	--	--	40' flat trawl
201	30 32'	80 19'	1-10-57	1925-2100	23	--	70	--	--	40' flat trawl
202	30 08'	80 49'	1-13-57	2058-2153	17	M.	--	--	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
203	30 01'	80 32'	1-14-57	0010-0110	22	M.	--	--	--	40' flat trawl
204	29 57'	80 11'	1-14-57	0300-0110	185	--	66	--	--	40' flat trawl
205	29 46'	80 12'	1-14-57	1450-1750	190	gy.M.	--	--	--	40' flat trawl
206	29 46'	80 12'	1-14-57	1940-2240	190	--	--	--	--	40' flat trawl
207	29 39'	80 12'	1-14-57	2335-0235	190	gy.M.	--	--	--	40' flat trawl
208	29 31'	80 10'	1-15-57	0325-0625	190	gy.M.	--	--	--	40' flat trawl
209	29 20'	80 05'	1-15-57	0725-1025	210	--	--	--	--	40' flat trawl
210	29 10'	80 05'	1-15-57	1205-1505	210	gy.M.	72	--	--	40' flat trawl
211	29 21'	80 05'	1-15-57	1650-1950	210	gy.M.	73	--	--	56' flat trawl
212	29 21'	80 06'	1-15-57	2140-0040	190	gy.M.	73	--	--	56' flat trawl
213	29 14'	80 05'	1-16-57	1325-1635	210	gy.M.	72	--	--	56' flat trawl
214	29 20'	80 07'	1-28-57	1042-0145	210	M.	--	74	--	40' flat trawl
215	29 14'	80 06'	1-29-57	0300-0607	190	M.	--	--	--	40' flat trawl
216	29 04'	80 03'	1-29-57	0708-1010	210	M.	--	--	--	40' flat trawl
217	29 02'	79 59'	1-29-57	1107-1407	190	M.	--	--	--	40' flat trawl
218	28 57'	79 57'	1-29-57	1508-1810	210	M.	--	78	--	40' flat trawl
219	28 49'	79 50'	1-29-57	1907-2210	200	M.G.	--	--	--	40' flat trawl
220	28 42'	79 55'	1-29-57	2308-0208	225	M.	74	--	--	40' flat trawl
221	28 35'	79 54'	1-30-57	0330-0630	175	M.	72	--	--	40' flat trawl
222	28 35'	79 53'	1-30-57	--	195	M.	72	--	--	40' flat trawl
223	28 21'	79 48'	1-30-57	1125-1428	250	M.	74	--	--	40' flat trawl
224	28 13'	79 48'	1-30-57	1535-1835	235	M.	79	--	--	40' flat trawl
225	28 04'	79 50'	1-30-57	--	200	--	73	--	--	40' flat trawl
226	28 02'	79 50'	1-31-57	0005-0310	180	M.	72	--	--	40' flat trawl
227	27 55'	79 48'	1-31-57	0420-0720	210	M.	72	--	--	40' flat trawl
228	27 47'	79 48'	1-31-57	0853-1150	200	M.	74	--	--	40' flat trawl
229	27 39'	79 50'	1-31-57	1245-1545	180	M.	72	--	--	40' flat trawl
230	27 39'	79 50'	1-31-57	1658-1955	200	M.	72	--	--	40' flat trawl
231	27 28'	79 51'	1-31-57	2050-2350	180	M.	70	--	--	40' flat trawl
232	27 22'	79 48'	2-1-57	--	210	M.	72	--	--	40' flat trawl
233	27 17'	79 49'	2-1-57	0443-0743	200	M.	76	--	--	40' flat trawl
234	27 12'	79 52'	2-1-57	0843-1043	180	M.	79	--	--	40' flat trawl
235	27 27'	78 58'	2-2-57	1922-2122	180	S.	76	--	--	40' flat trawl
236	27 29'	78 58'	2-2-57	2245-2248	200	Co.	--	--	--	40' flat trawl
237	27 28'	78 44'	2-3-57	0120-0420	215	S.Sh.	74	--	--	40' flat trawl
238	27 30'	78 52'	2-3-57	0533-0840	230	S.Sh.	74	--	--	40' flat trawl
239	27 23'	79 07'	2-3-57	--	250	wh.S.	--	--	--	40' flat trawl
240	27 27'	79 15'	2-3-57	1430-1535	210	M.	--	--	--	40' flat trawl
241	29 18'	80 04'	2-4-57	0350-0650	210	gy.M.	--	--	--	40' flat trawl
242	29 10'	80 03'	2-4-57	0750-1050	210	gy.M.	--	--	--	40' flat trawl
243	29 05'	80 00'	2-4-57	--	210	gy.M.	76	--	--	40' flat trawl
244	29 19'	80 04'	2-4-57	1802-2103	210	gy.M.	76	--	--	40' flat trawl
245	29 15'	80 05'	2-4-57	2227-0130	210	gy.M.	74	--	--	40' flat trawl
246	29 12'	80 03'	2-5-57	0250-0550	210	gn.M.	--	69	--	40' flat trawl
247	29 18'	80 05'	2-5-57	0742-1045	180	gy.M.	76	--	--	40' flat trawl
248	29 12'	80 02'	2-5-57	1148-1450	250	gn.M.	--	--	--	40' flat trawl
249	29 15'	80 12'	2-5-57	2008-2310	180	gy.M.	--	--	--	40' flat trawl
250	29 42'	80 10'	2-6-57	--	200	gy.M.	--	--	--	40' flat trawl
251	25 34'	80 00'	3-1-57	1237-1440	210	gy.M.	--	--	50	40' flat trawl
252	25 31'	80 00'	3-1-57	1600-1750	225	--	--	--	--	40' flat trawl
253	25 35'	80 00'	3-1-57	1905-1906	210	--	--	--	--	40' flat trawl
254	24°20'	83°20'	3-4-57	2315-0200	210	M.	--	--	--	40' flat trawl
255	24°28'	83°29'	3-5-57	0259-0600	225	--	--	--	--	40' flat trawl
256	24°29'	83°31'	3-5-57	0710-1010	185	--	--	--	--	40' flat trawl
257	24°22'	83°22'	3-5-57	1213-1415	190	--	--	--	--	56' flat trawl
258	24°20'	83°18'	3-7-57	1131-1431	200	--	--	--	92	56' flat trawl
259	24°29'	83°28'	3-7-57	1537-1820	185	--	--	--	48	56' flat trawl
260	24°33'	83°39'	3-7-57	1930-1940	210	--	--	--	--	56' flat trawl
261	24°27'	83°34'	3-7-57	--	230	--	--	--	--	56' flat trawl
262	24°25'	83°22'	3-8-57	--	210	--	--	--	--	56' flat trawl
263	24°17'	82°23'	3-10-57	1243-1445	200	--	--	--	--	40' flat trawl
264	24°16'	82°27'	3-11-57	--	200	--	73	--	--	40' flat trawl
265	24°16'	82°38'	3-11-57	1930-2215	220	--	72	--	--	40' flat trawl
266	24°16'	82°45'	3-11-57	2345-0245	205	M.	72	--	--	56' flat trawl
267	24°11'	82°30'	3-12-57	0347-0640	190-200	--	--	--	--	56' flat trawl
268	24°17'	82°27'	3-12-57	0750-1050	190	--	78	--	--	40' flat trawl
269	24°17'	82°27'	3-12-57	1150-1555	190	--	--	--	--	40' flat trawl
270	24°16'	82°30'	3-12-57	1645-1820	200	--	--	--	--	100' flat trawl
271	24°17'	82°25'	3-12-57	1940-2240	200	S.M.	76	--	--	80' balloon trawl
272	24°16'	83°31'	3-13-57	2340-0250	200	--	--	--	--	80' balloon trawl
273	24°17'	82°39'	3-13-57	0345-0705	200	--	--	--	--	80' balloon trawl
274	24°17'	82°23'	3-13-57	0830-1130	200	--	--	--	--	80' balloon trawl
275	24°17'	82°27'	3-13-57	1235-1535	190	--	--	--	57	80' balloon trawl
276	24°16'	82°26'	3-13-57	1740-2045	210	S.M.	76	--	--	80' balloon trawl
277	24°16'	82°25'	3-14-57	2320-0205	200-210	--	--	--	--	55' flat trawl
278	24°17'	82°22'	3-14-57	0300-0600	200	--	--	--	--	55' flat trawl
279	24°16'	82°26'	3-14-57	0655-0955	200	--	--	--	--	55' flat trawl
280	24°16'	82°34'	3-14-57	1050-1205	210	--	80	--	--	55' flat trawl
281	24°17'	82°47'	3-14-57	1445-1745	215	--	--	--	--	55' flat trawl
282	24°18'	82°57'	3-14-57	1845-2130	210	--	--	--	--	55' flat trawl
283	32°56'	78°06'	4-19-57	1335-1435	50	--	79	--	--	10' beam trawl
284	32°49'	77°56'	4-19-57	1610-1710	125	--	79	--	--	10' beam trawl
285	32°51'	77°51'	4-19-57	1955-2055	170	--	71	--	--	10' beam trawl
286	32°54'	77°27'	4-19-57	2200-0010	170-175	--	72	--	--	40' flat trawl
287	33°58'	77°20'	4-20-57	--	175	--	73	--	--	Drift net
288	33°03'	77°09'	4-20-57	0335-0535	200	--	--	--	--	40' flat trawl
289	33°03'	77°09'	4-20-57	0638-0838	200	--	--	--	--	40' flat trawl
290	33°13'	76°55'	4-20-57	1038-1238	200	--	72	--	46	40' flat trawl
291	33°23'	76°43'	4-20-57	1442-1648	210	--	--	--	46	40' flat trawl
292	33°09'	76°51'	4-20-57	2015-2215	225	--	70	--	--	40' flat trawl
293	32°58'	77°10'	4-21-57	0110-0310	225	--	68	--	--	40' flat trawl
294	32°54'	77°17'	4-21-57	--	210	--	72	--	--	40' flat trawl
295	32°50'	77°27'	4-21-57	0910-1125	200	--	80	--	46	40' flat trawl
296	32°40'	77°40'	4-21-57	1340-1435	220	S.	--	--	--	40' flat trawl
297	32°27'	78°06'	4-21-57	1743-1908	190	--	77	--	--	10' beam trawl
298	32°20'	78°12'	4-21-57	2118-2218	190	--	--	--	--	40' flat trawl
299	32°22'	78°14'	4-21-57	--	250	--	--	--	--	Drift net
300	32°15'	78°51'	4-22-57	0755-0905	190	--	73	--	46	40' flat trawl
301	32°15'	78°49'	4-22-57	1045-1050	215	S.gn.M.	80	--	--	40' flat trawl
302	32°10'	78°56'	4-22-57	1302-1502	210	S.	84	--	46	40' flat trawl
303	31°58'	79°08'	4-22-57	1750-1950	200	S.	76	--	47	40' flat trawl
304	31°50'	79°14'	4-22-57	2155-2450	180	--	--	--	--	40' flat trawl
305	31°45'	79°19'	4-23-57	0155-0355	210	gn.M.S.	--	--	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
306	31°31'	79°27'	4-23-57	0535-0747	220	--	78	--	47	40' flat trawl
307	31°15'	79°41'	4-23-57	1150-1225	180	--	79	--	--	40' flat trawl
308	31°04'	79°42'	4-23-57	1517-1603	200	--	76	--	--	40' flat trawl
309	30°53'	79°48'	4-23-57	1943-2143	210	--	74	--	48	40' flat trawl
310	30°40'	79°57'	4-24-57	0010-0300	210	--	--	--	--	40' flat trawl
311	30°21'	80°06'	4-24-57	0700-0750	185	--	76	--	48	40' flat trawl
312	30°13'	80°05'	4-26-57	2045-2245	220	gy.M.	71	--	48	40' flat trawl
313	29°52'	80°08'	4-27-57	--	200	gn.M.	--	--	--	56' flat trawl
314	29°38'	80°11'	4-27-57	0501-0800	180	gn.M.	76	--	--	56' flat trawl
315	29°26'	80°08'	4-27-57	0910-1210	210	gn.M.	76	--	--	56' flat trawl
316	29°25'	80°04'	4-27-57	1435-1635	215	gn.M.	--	--	--	56' flat trawl
317	29°07'	80°04'	4-27-57	1940-2140	200	gy.M.	71	--	--	56' flat trawl
318	28°47'	79°55'	4-28-57	0120-0320	210	gn.M.	--	--	--	56' flat trawl
319	28°31'	79°52'	4-28-57	0610-0810	180	gn.M.	82	--	49	56' flat trawl
320	28°17'	80°08'	4-28-57	1330-1345	25	--	76	--	--	56' flat trawl
321	29°09'	80°41'	4-30-57	--	13	--	82	--	--	40' flat trawl
322	29°57'	80°11'	4-30-57	2010-2310	190	gy.M.	78	--	--	56' flat trawl
323	29°52'	80°13'	4-30-57	0050-0350	175	gy.M.	--	--	--	56' flat trawl
324	29°41'	80°11'	5-30-57	0625-0925	210	gy.M.	--	--	--	56' flat trawl
325	29°33'	80°10'	5-30-57	1035-1333	200	gy.M.	--	--	--	56' flat trawl
326	29°28'	80°09'	5-30-57	1515-1815	200	gy.M.	--	--	--	56' flat trawl
327	29°22'	80°06'	5-30-57	1910-2210	200	gn.M.	78	--	--	40' flat trawl
328	29°16'	80°04'	5-30-57	--	--	--	--	--	--	Dip station
329	29°15'	80°05'	5-31-57	0425-0735	210	gn.M.	--	--	--	40' flat trawl
330	29°08'	80°03'	5-31-57	0835-1135	190	gn.M.	83	--	--	40' flat trawl
331	29°01'	79°59'	5-31-57	1330-1630	225	G.M.	82	--	--	40' flat trawl
332	28°55'	79°56'	5-31-57	1733-2033	180	G.M.	78	--	--	40' flat trawl
333	28°58'	80°13'	6-1-57	0003-0135	30	--	77	--	--	40' flat trawl
334	29°15'	80°13'	6-1-57	0200-0245	30	Sh.S.	--	--	--	40' flat trawl
335	29°03'	80°13'	6-1-57	0303-0433	28	--	--	--	--	40' flat trawl
336	29°10'	80°19'	6-1-57	0540-0632	25	Sh.	78	--	--	40' flat trawl
337	29°19'	80°15'	6-1-57	1335-1435	35	--	--	--	--	10' beam trawl
338	29°15'	80°16'	6-1-57	1500-1600	30	S.	--	--	--	10' beam trawl
339	29°19'	80°18'	6-1-57	1710-1810	25	S.Sh.	--	--	--	10' beam trawl
340	29°19'	80°18'	6-1-57	1710-1810	25	S.Sh.	--	--	--	40' flat trawl
341	29°10'	80°20'	6-1-57	1945-2048	22	--	72	--	--	40' flat trawl
342	29°18'	80°17'	6-1-57	2133-2240	28	S.Sh.	72	--	--	40' flat trawl
343	29°19'	80°18'	6-1-57	--	--	--	72	--	--	Dip station
344	29°32'	80°15'	6-2-57	0133-0233	32	S.	--	--	--	40' flat trawl
345	29°20'	80°15'	6-2-57	0304-0405	35	--	68	--	--	40' flat trawl
346	29°26'	80°16'	6-2-57	0430-0530	38	S.	--	--	--	40' flat trawl
347	29°31'	80°31'	6-2-57	1946-2046	18	S.Sh.	78	--	--	40' flat trawl
348	29°32'	80°25'	6-2-57	2115-2215	22	S.Sh.	76	--	--	40' flat trawl
349	29°34'	80°23'	6-2-57	2255-2355	25	S.Sh.	76	--	--	40' flat trawl
350	29°27'	80°20'	6-3-57	0045-0135	30	S.Co.Sh.	--	--	--	40' flat trawl
351	29°38'	80°23'	6-3-57	0205-0305	28	--	78	--	--	40' flat trawl
352	29°47'	80°27'	6-3-57	0345-0405	24	--	78	--	--	40' flat trawl
353	30°24'	80°20'	6-3-57	1945-2043	24	S.Sh.	78	--	--	40' flat trawl
354	30°25'	80°26'	6-3-57	2107-2205	27	S.Sh.	78	--	--	40' flat trawl
355	30°25'	80°31'	6-3-57	--	20	--	77	--	--	Dip station
356	33°31'	76°35'	6-14-57	0220-0420	200	--	--	--	--	40' flat trawl
357	33°49'	76°20'	6-14-57	0609-0810	180	--	80	--	54	40' flat trawl
358	33°59'	76°09'	6-14-57	0918-1115	210-225	gn.M.	82	--	--	40' flat trawl
359	34°35'	75°37'	6-14-57	1530-1650	210	--	83	--	--	40' flat trawl
360	34°27'	75°43'	6-14-57	--	180	gn.M.	80	--	--	40' flat trawl
361	34°22'	75°46'	6-14-57	2105-2213	210	gn.M.	83	--	--	40' flat trawl
362	34°18'	75°51'	6-14-57	2320-0120	220	gn.M.	81	--	--	40' flat trawl
363	34°14'	75°57'	6-15-57	0255-0455	180	gn.M.	79	--	--	40' flat trawl
364	34°10'	75°59'	6-15-57	0545-0745	210	gn.M.	82	--	54	40' flat trawl
365	35°05'	75°06'	6-15-57	1515-1715	200	gn.M.	82	--	--	40' flat trawl
366	35°01'	75°13'	6-15-57	1840-2040	180	gn.M.	82	--	--	40' flat trawl
367	34°56'	75°18'	6-15-57	2205-0005	230	gn.M.	80	--	--	40' flat trawl
368	34°15'	75°25'	6-16-57	0105-0125	190	M.	81	--	--	40' flat trawl
369	34°41'	75°31'	6-16-57	0350-0550	200	--	86	--	--	40' flat trawl
370	35°05'	75°09'	6-16-57	1031-1207	100	--	88	--	56	40' flat trawl
371	35°07'	75°13'	6-16-57	1405-1505	50	--	90	--	68	40' flat trawl
372	35°07'	75°14'	6-16-57	1540-1640	45	--	90	--	--	40' flat trawl
373	35°05'	75°17'	6-16-57	1705-1805	40	S.	--	--	--	40' flat trawl
374	35°07'	75°15'	6-16-57	1938-2038	35	S.	--	--	--	40' flat trawl
375	35°06'	75°18'	6-16-57	2055-2155	30	S.	80	--	--	40' flat trawl
376	35°08'	75°15'	6-16-57	2222-2322	25	S.	80	--	70	40' flat trawl
377	35°00'	75°30'	6-17-57	0140-0240	25	S.	78	--	--	40' flat trawl
378	34°58'	75°32'	6-17-57	0305-0402	30	S.	--	--	--	40' flat trawl
379	34°59'	75°20'	6-17-57	0430-0530	35	S.	80	--	--	40' flat trawl
380	34°57'	75°27'	6-17-57	0610-0710	40	S.	82	--	--	40' flat trawl
381	34°58'	75°23'	6-17-57	0738-0840	45	S.	95	--	--	40' flat trawl
382	34°57'	75°23'	6-17-57		50	S.	96	--	--	40' flat trawl
383	34°58'	75°20'	6-17-57	1122-1252	60	S.Sh.	90	--	--	40' flat trawl
384	34°54'	75°25'	6-17-57	1335-1435	75	Co.	89	--	--	40' flat trawl
385	34°48'	75°37'	6-17-57	1730-1830	50	--	89	--	72	40' flat trawl
386	34°45'	75°38'	6-17-57	--	45	--	80	--	--	40' flat trawl
387	34°45'	75°38'	6-17-57	--	40	--	78	--	--	40' flat trawl
388	34°47'	75°39'	6-17-57	2228-2330	35	S.G.	78	--	--	40' flat trawl
389	34°36'	75°39'	6-18-57	0025-0125	30	S.	--	--	--	40' flat trawl
390	34°33'	75°46'	6-20-57	--	50	hrd.Co.	82	--	--	40' flat trawl
391	34°34'	75°50'	6-20-57	1528-1628	35	--	82	--	--	40' flat trawl
392	34°36'	75°46'	6-20-57	1703-1805	30	hrd.Sh.	80	--	--	40' flat trawl
393	34°37'	75°52'	6-20-57	1838-1938	25	S.	78	--	--	40' flat trawl
394	34°32'	76°02'	6-20-57	2133-2233	25	S.	80	--	--	40' flat trawl
395	34°29'	76°01'	6-20/21-57	2318-0018	30	S.	79	--	--	40' flat trawl
396	34°31'	75°65'	6-21-57	0108-0204	35	S.	79	--	--	40' flat trawl
397	34°26'	75°55'	6-21-57	0230-0330	40	S.	78	--	--	40' flat trawl
398	34°24'	75°50'	6-21-57	0357-0500	45	S.Sh.	78	--	--	40' flat trawl
399	34°26'	75°52'	6-21-57	0524-0625	50	S.Sh.	78	--	--	40' flat trawl
400	34°23'	75°54'	6-21-57	0656-0711	60	S.	78	--	--	40' flat trawl
401	34°22'	75°53'	6-21-57	0744-0914	75	S.	83	--	--	40' flat trawl
402	34°19'	75°54'	6-21-57	--	100	S.	80	--	--	40' flat trawl
403	34°16'	75°58'	6-21-57	1258-1428	100	S.	81	--	57	40' flat trawl
404	34°15'	76°01'	6-21-57	1520-1650	75	S.	81	--	--	40' flat trawl
405	34°18'	75°58'	6-21-57	1735-1905	75	S.	78	--	--	40' flat trawl
406	34°17'	76°01'	6-21-57	2005-2105	45	--	78	--	--	40' flat trawl
407	34°22'	76°00'	6-21-57	2231-2331	35	S.Sh.	79	--	--	40' flat trawl
408	34°23'	76°03'	6-22-57	0015-0115	30	S.Sh.	79	--	--	40' flat trawl
409	34°22'	76°06'	6-22-57	0150-0250	25	S.	79	--	74	40' flat trawl
410	34°26'	75°42'	6-22-57	0610-0810	200	gn.M.	86	--	--	56' flat trawl
411	34°24'	75°44'	6-22-57	0906-1105	215	gn.M.	88	--	--	56' flat trawl
412	34°26'	75°42'	6-22-57	1255-1455	215	gn.M.	90	--	--	55' flat trawl
413	34°24'	75°45'	6-22-57	1700-1905	215	gn.M.	82	--	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
414	34°21'	75°47'	6-22-57	2026-2055	225	--	82	--	--	40' flat trawl
415	34°17'	75°50'	6-22-57	2236-2255	220	gn.M.	80	--	--	40' flat trawl
416	34°16'	75°52'	6-22-57	0120-0220	215	--	78	--	--	40' flat trawl
417	34°08'	75°58'	6-23-57	0440-0640	225	gn.M.	81	--	46	40' flat trawl
418	34°04'	75°58'	6-23-57	0751-0951	225	gn.M.	84	--	--	40' flat trawl
419	34°01'	76°05'	6-23-57	1129-1329	220	gn.M.	81	--	--	40' flat trawl
420	33°56'	76°11'	6-23-57	1444-1652	215	gn.M.	87	--	--	40' flat trawl
421	33°43'	76°23'	6-23-57	1844-2044	220	gn.M.	87	--	48	40' flat trawl
422	33°32'	76°33'	6-23/24-57	2240-0044	220	gn.M.	80	--	--	40' flat trawl
423	33°25'	76°40'	6-24-57	0250-0450	220	gn.M.	80	--	--	40' flat trawl
424	32°54'	78°46'	6-24-57	1939-2255	24	S.	78	--	--	55' flat trawl
425	32°32'	79°55'	6-24-57	2128-2250	21	S.	82	--	--	55' flat trawl
426	32°27'	78°54'	6-24-57	2303-2340	24-36	S.Sh.	--	--	--	55' flat trawl
427	32°32'	79°01'	6-25-57	0043-0143	35	S.	80	--	--	55' flat trawl
428	32°17'	79°10'	6-25-57	0235-0335	28-24	S.Sh.	--	--	--	55' flat trawl
429	32°14'	79°16'	6-25-57	0417-0517	23	S.Sh.	--	--	--	55' flat trawl
430	29°58'	80°10'	7-17-57	1730-1930	190	gn.M.	86	--	41	55' flat trawl
431	29°57'	80°08'	7-17-57	2038-2238	210	gn.M.	82	--	--	55' flat trawl
432	29°52'	80°13'	7-17-57	2335-0235	180	gn.M.	80	--	--	55' flat trawl
433	29°56'	80°12'	6-18-57	0355-0700	180	gn.M.	--	--	--	40' flat trawl
434	29°52'	80°10'	7-18-57	0805-1105	190	gn.M.	84	--	--	40' flat trawl
435	29°46'	80°12'	7-18-57	1215-1515	200	gn.M.	--	--	--	40' flat trawl
436	24°13'	81°42'	7-21-57	1329-1530	300	--	87	--	42	40' flat trawl
437	24°13'	81°41'	7-21-57	1747-1810	250	Co.	--	--	--	40' flat trawl
438	25°10'	80°02'	7-22-57	0645-0845	200	--	85	--	46	40' flat trawl
439	25°03'	80°01'	7-22-57	1005-1205	225	--	85	--	45	40' flat trawl
440	25°04'	80°02'	7-22-57	1353-1553	180	--	89	--	--	40' flat trawl
441	25°16'	80°00'	7-22-57	1840-1940	185	--	--	--	48	40' flat trawl
442	25°15'	80°01'	7-22-57	2134-2234	160	--	--	--	48	40' flat trawl
443	25°11'	79°56'	7-22-57	--	300	--	--	--	--	Drift net
444	25°11'	79°55'	7-23-57	0127-0327	300	--	85	--	--	40' flat trawl
445	25°15'	79°13'	7-23-57	1958-2058	200	Ca.M.	--	--	63	40' flat trawl
446	25°10'	79°13'	7-23-57	--	250	--	--	--	--	40' flat trawl
447	25°07'	79°15'	7-23-57	0235-0435	300	Co.S.	--	--	54	40' flat trawl
448	24°04'	79°15'	7-24-57	1228-1428	250	--	94	--	62	40' flat trawl
449	24°05'	79°46'	7-24-57	1912-2112	350	wh.M.	86	--	--	10' beam trawl
450	23°59'	79°43'	7-24-57	2330-0130	350	--	--	--	--	10' beam trawl
451	24°12'	80°01'	7-25-57	2120-2230	250	--	--	--	--	10' beam trawl
452	24°35'	79°58'	7-25-57	1501-1801	565	--	--	--	--	10' beam trawl
453	25°12'	80°00'	7-25/26-57	2350-0250	185	M.	82	--	50	65' flat net
454	25°13'	80°10'	7-26-57	0512-0535	85	--	--	--	--	40' flat trawl
455	25°13'	80°10'	7-26-57	0618-0720	40-50	Co.	--	--	--	40' flat trawl
456	25°18'	80°07'	7-26-57	0847-0947	85	--	--	--	--	40' flat trawl
457	25°16'	80°07'	7-26-57	1028-1128	65	--	86	--	--	40' flat trawl
458	26°37'	79°51'	7-28-57	1118-1318	180	--	--	--	--	40' flat trawl
459	26°47'	79°53'	7-28-57	1515-1715	220	--	--	--	--	40' flat trawl
460	27°08'	79°51'	7-28-57	2107-2307	200	gn.M.	82	--	--	40' flat trawl
461	27°11'	79°52'	7-29-57	0040-0340	190	gn.M.	--	--	--	40' flat trawl
462	27°14'	79°50'	7-29-57	0537-0837	210	--	82	--	48	40' flat trawl
463	27°22'	79°50'	7-29-57	1055-1255	220	gn.M.	78	--	--	40' flat trawl
464	27°51'	79°50'	7-29-57	1639-1839	215	--	83	--	--	40' flat trawl
465	28°30'	79°52'	7-29/30-57	2307-0107	200	gn.M.	80	--	--	40' flat trawl
466	28°25'	79°53'	7-30-57	0200-0400	200	gn.M.	--	--	--	40' flat trawl
467	28°36'	79°54'	7-30-57	0615-0815	220	gn.M.	82	--	52	40' flat trawl
468	28°34'	79°52'	7-30-57	0950-1250	240	gn.M.	83	--	--	40' flat trawl
469	29°07'	80°01'	7-30-57	1717-1930	200	gn.M.	82	--	--	40' flat trawl
470	29°06'	80°00'	7-30-57	2037-2237	220	gn.M.	80	--	--	40' flat trawl
471	29°57'	80°12'	8-13-57	2050-2255	180	gn.M.	82	--	--	40' flat trawl
472	29°52'	80°10'	8-14-57	0005-0205	210	gn.M.	87	--	--	40' flat trawl
473	29°48'	80°12'	8-14-57	0325-0630	210	gn.M.	87	--	--	40' flat trawl
474	29°38'	80°12'	8-14-57	0745-1055	200	gn.M.	87	--	44	40' flat trawl
475	29°30'	80°10'	8-14-57	1222-1522	160	gn.M.	88	--	48	40' flat trawl
476	29°19'	80°06'	8-14-57	1640-1935	230	gn.M.	87	--	--	40' flat trawl
477	29°30'	80°09'	8-16-57	2105-0005	210	gn.M.	82	--	--	40' flat trawl
478	29°22'	80°06'	8-17-57	0130-0430	210	gn.M.	85	--	--	40' flat trawl
479	29°22'	80°06'	8-17-57	0722-1020	200	gn.M.	84	--	--	65' flat trawl
480	29°30'	80°08'	8-17-57	1207-1507	210	gn.M.	88	--	46	65' flat trawl
481	29°28'	80°08'	8-17-57	1700-2000	200	gn.M.	84	--	--	65' flat trawl
482	29°28'	80°08'	8-17-57	2152-0052	190	gn.M.	--	--	--	65' flat trawl
483	29°30'	80°09'	8-18-57	0307-0607	190	gn.M.	82	--	--	65' flat trawl
484	29°30'	80°09'	8-18-57	0807-1107	180	gn.M.	81	--	--	65' flat trawl
485	29°29'	80°09'	8-18-57	1355-1655	200	gn.M.	90	--	--	65' flat trawl
486	29°29'	80°08'	8-18-57	--	210	gn.M.	--	--	--	65' flat trawl
487	29°30'	80°09'	8-19-57	0105-0505	200	gn.M.	84	--	--	65' flat trawl
488	29°30'	80°13'	8-19-57	0753-1000	50	G.S.	--	--	64	40' flat trawl
489	29°30'	80°11'	8-19-57	1115-1315	75	S.Sh.	84	--	--	40' flat trawl
490	29°29'	80°10'	8-19-57	1425-1625	100	S.Sh.	86	--	--	40' flat trawl
491	29°30'	80°10'	8-19-57	1750-1955	125	--	87	--	--	40' flat trawl
492	29°26'	80°08'	8-19-57	--	150	--	--	--	--	Dip Station
493	29°30'	80°09'	8-19-57	2203-0003	150	--	--	--	--	40' flat trawl
494	29°30'	80°08'	8-20-57	0200-0400	175	gn.M.	--	--	--	40' flat trawl
495	29°30'	80°08'	8-20-57	0545-0745	200	gn.M.	--	--	--	40' flat trawl
496	30°16'	80°21'	8-20-57	1806-1906	25	G.S.Sh.	--	--	--	40' flat trawl
497	30°13'	80°23'	8-20-57	1950-2050	25	S.Sh.	84	--	--	40' flat trawl
498	30°15'	80°31'	8-20-57	2158-2258	20	S.Sh.	--	--	--	40' flat trawl
499	30°01'	80°09'	9-11-57	2150-0150	200	gn.M.	82	--	--	65' flat trawl
500	29°49'	80°10'	9-12-57	0245-0645	210	gn.M.	82	--	--	65' flat trawl
501	29°36'	80°09'	9-12-57	0740-1140	210	gn.M.	86	--	--	65' flat trawl
502	29°25'	80°07'	9-12-57	1240-1540	180	gn.M.	88	--	--	65' flat trawl
503	29°29'	80°09'	9-12-57	1725-2030	210	gn.M.	82	--	--	65' flat trawl
504	30°24'	81°22'	10-2-57	1242-1342	6-8	M.	--	--	--	40' flat trawl
505	30°54'	80°33'	10-2-57	1928-2028	17	--	79	--	--	40' flat trawl
506	31°15'	80°20'	10-2-57	2302-0002	17	Sh.S.	--	--	--	40' flat trawl
507	31°24'	80°12'	10-3-57	0138-0242	20	S.Sh.	--	--	--	40' flat trawl
508	31°29'	79°53'	10-3-57	0436-0536	22-24	S.Sh.	--	--	--	40' flat trawl
509	31°32'	79°44'	10-3-57	--	35	--	--	--	--	40' flat trawl
510	31°35'	79°38'	10-3-57	0813-1015	50	--	--	--	--	40' flat trawl
511	31°36'	79°38'	10-3-57	1234-1434	50	--	81	--	--	40' flat trawl
512	31°29'	79°33'	10-3-57	1542-1742	60	--	--	--	--	40' flat trawl
513	32°05'	79°37'	10-7-57	1755-1855	20	S.Sh.	--	--	78	40' flat trawl
514	32°05'	79°40'	10-7-57	1923-2023	22-25	S.Sh.	--	--	--	40' flat trawl

Table 2.--M/V Combat station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
515	32°01'	79°36'	10-7-57	2045-2145	25-27	--	--	--	--	40' flat trawl
516	31°55'	79°33'	10-7-57	2203-2303	27-32	S.Sh.	--	--	--	40' flat trawl
517	31°55'	79°33'	10-7-57	2341-0041	32-36	S.Sh.	--	--	--	40' flat trawl
518	31°51'	79°35'	10-8-57	0105-0205	38-43	--	--	--	--	40' flat trawl
519	31°49'	79°31'	10-8-57	0228-0328	45	S.Sh.	--	--	--	40' flat trawl
520	31°41'	79°40'	10-8-57	1253-1353	33-40	S.Sh.	--	--	--	40' flat trawl
521	31°44'	79°42.5'	10-8-57	1415-1515	33-35	--	--	--	--	40' flat trawl
522	31°47'	79°42'	10-8-57	1535-1635	30	S.Sh.	--	--	--	40' flat trawl
523	31°50'	79°46'	10-8-57	1659-1759	26	S.Sh.	--	--	--	40' flat trawl
524	31°45'	79°45'	10-8-57	1933-2033	27-31	S.Sh.	73	--	--	40' flat trawl
525	31°43'	79°42'	10-8-57	2053-2153	32-33	S.Sh.	--	--	--	40' flat trawl
526	31°38'	79°40'	10-8-57	2235-2335	41-45	S.Sh.	--	--	--	40' flat trawl
527	31°27'	79°42'	10-9-57	0848-1048	75	--	--	--	--	--
528	31°18.5'	79°45.5'	10-9-57	1245-1445	100	--	--	--	--	40' flat trawl
529	31°12'	79°52'	10-9-57	1530-1700	50	S.Sh.	--	--	--	40' flat trawl
530	31°06'	79°53'	10-9-57	1734-1935	80	--	--	--	--	40' flat trawl

Table 3.--M/V Pelican station list

M/V PELICAN STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		° F.	° F.	° F.	
1	30°26'	81°23'	3-2-56	1205-1240	5-6	gy.M.	70.5	61.8	--	10' beam trawl
2	30°26'	81°23'	3-2-56	1305-1405	5	gy.M.wh.S.	70.5	61.8	--	10' beam trawl
3	29°18'	81°01'	3-5-56	1758-1820	8	wh.S.	70.2	66.5	--	40' flat trawl
4	27°42'	81°55'	3-6-56	1105-1152	80-100	M.S.	83.0	76	--	40' flat trawl
5	27°47'	79°48'	3-6-56	1215-1318	117	M.S.	77	76	--	40' flat trawl
6	27°41'	79°55'	3-6-56	1457-1556	83	M.S.	77	76	--	40' flat trawl
7	27°54'	80°00'	3-6-56	--	35	M.S.	--	--	--	40' flat trawl
8	27°59'	80°05'	3-6-56	1850-1953	22	S.Sh.	73	72.5	--	40' flat trawl
9	27°35'	79°49'	3-7-56	1059-1300	190-200	M.S.	78	77	--	40' flat trawl
10	27°36'	79°48'	3-11-56	0702-0935	180-200	gy.M.	76	77	--	40' semi-balloon trawl
11	27°52'	79°45'	3-11-56	1036-1305	235	wh.M.	79	78	--	40' semi-balloon trawl
12	28°15'	79°48'	3-11-56	1426-1635	215	bu.M.	84	78	--	10' beam trawl
13	28°22'	79°53'	3-11-56	1726-1910	180	bu.M.	75	77	--	10' beam trawl
14	28°07'	80°06'	3-23-56	1246-1317	22	S.Sh.	77	68	--	80' balloon trawl
15	26°31'	80°01'	3-25-56	0526-0625	30-35	Co.Spg.	61	70.8	--	40' flat trawl
16	26°12'	80°02'	3-25-56	0947-1045	75-85	S.Co.	68	73	--	40' flat trawl
17	26°18'	79°51'	3-29-56	0035-0300	144-200	gy.M.	72	75	--	40' flat trawl
18	26°31'	79°46'	3-29-56	0417-0817	235	gy.S.	71	74	54	40' flat trawl
19	26°50'	79°44'	3-29-56	--	200	--	--	--	--	40' flat trawl
20	28°17'	79°48'	4-5-56	1111-1525	180	bu.M.	81	78	--	80' balloon trawl
21	28°06'	80°05'	4-8-56	1320-1418	26-22	gy.S.	72.5	71.8	--	40' flat trawl
22	28°07'	80°06'	4-8-56	1432-1533	21	gy.S.	72	72	--	40' flat trawl
23	28°04'	80°09'	4-8-56	1543-1640	21	gy.S.	72	72	--	40' flat trawl
24	27°57'	80°04'	4-8-56	1753-1911	22-23	S.Sh.	68	72	--	40' flat trawl
25	28°03'	79°52'	4-8-56	2120-0118	150-175	bu.M.	72	76	--	40' flat trawl
26	28°17'	79°50'	4-9-56	0150-0600	180-200	bu.M.	70.2	76	--	40' flat trawl
27	28°28'	79°49'	4-9-56	0645-1040	200-212	gy.M.	72	76	--	40' flat trawl
28	28°46'	79°56'	4-9-56	1217-1635	150-156	gy.M.	72	76	--	40' flat trawl
29	29°01'	79°58'	4-9-56	1708-2120	165-212	gy.M.	72.5	76	--	40' flat trawl
30	29°20'	80°05'	4-9-56	2250-0305	200-207	gy.M.	70	76	--	40' flat trawl
31	29°36'	80°06'	4-10-56	0348-0800	210-180	gy.M.	67.5	76	--	40' flat trawl
32	30°11'	81°02'	4-23-56	1918-1958	13	S.Sh.	68	68	--	40' flat trawl
33	30°13'	80°41'	4-23-56	2231-2327	15-16	Sh.S.	68	68	--	40' flat trawl
34	29°59'	80°11'	4-24-56	0930-1223	145-164	gy.S.M.Sh.	82	76	--	40' flat trawl
35	30°10'	80°09'	4-24-56	1348-1700	147-138	Grs.S.Co.	76	76	--	40' flat trawl
36	30°16'	80°09'	4-24-56	1815-1937	150-142	gy.S.	74	76	--	40' flat trawl
37	30°25'	80°04'	4-24-56	2031-2300	170-150	gy.M.Co.	72	76	--	40' flat trawl
38	31°40'	79°15'	4-25-56	0800-0818	182-250	--	66	76	--	40' flat trawl
39	31°55'	80°19'	4-27-56	1111-1221	12-14	gy.S.	72	67	--	40' flat trawl
40	31°54'	79°09'	4-27-56	1919-2115	190-230	Rk.	74	76	--	40' flat trawl
41	29°56'	80°09'	5-1-56	1705-2006	188-185	gy.M.	84	78	--	40' flat trawl
42	30°02'	80°05'	5-1-56	2052-2355	205	gy.M.	75	78	--	40' flat trawl
43	30°03'	80°03'	5-2-56	0053-0558	223-242	Rk.	72	78	--	40' flat trawl
44	29°57'	80°10'	5-2-56	0850-1143	173-170	gy.M.	79	78	--	40' flat trawl
45	30°02'	80°09'	5-2-56	1357-1700	178-173	gy.M.	79	78	--	40' flat trawl
46	29°54'	80°10'	5-2-56	1736-2130	173-180	gy.M.	76	78	--	40' flat trawl
47	29°44'	80°10'	5-11-56	1834-2138	180	gy.M.	75	73.8	--	86' flat trawl
48	29°52'	80°11'	5-11-56	2210-0212	180	gy.M.	74	74	--	86' flat trawl
49	30°02'	80°06'	5-12-56	0304-0801	175	gy.M.	75	74	--	86' flat trawl
50	29°53'	80°09'	5-12-56	--	190-202	gy.M.	80	81	--	86' flat trawl
51	29°48'	80°09'	5-12-56	1313-1800	190-202	gy.M.	78	81	--	86' flat trawl
52	29°48'	80°12'	5-15-56	--	162	gy.M.	78	81	--	86' flat trawl
53	29°48'	80°12'	5-22-56	0311-0613	160	gy.M.	77	80	--	60' flat trawl
54	29°47'	80°11'	6-8-56	1730-2010	155-172	gy.M.	84	81	--	60' flat trawl
55	29°58'	80°11'	6-8-56	--	160	--	--	--	--	60' flat trawl
56	29°55'	80°12'	6-10-56	0555-0647	153-145	gy.M.	79	82	--	40' flat trawl
57	29°59'	80°07'	6-10-56	0745-0904	165-168	gy.M.	83	82	--	40' flat trawl
58	29°59'	80°10'	6-10-56	0930-1330	162-167	gy.M.	84	82	--	40' flat trawl
59	29°54'	80°10'	6-10-56	1400-1645	162-165	gy.M.	91	82	--	40' flat trawl
60	28°29'	79°54'	6-11-56	1040-1508	160-190	gy.M.	92	82	--	40' flat trawl
61	28°42'	79°56'	6-11-56	1605-1900	155-130	gy.M.	84	82	--	40' flat trawl
62	28°53'	79°57'	6-11-56	2022-0027	173-197	gy.M.	81	82	--	40' flat trawl
63	29°11'	80°03'	6-12-56	0243-0725	175-250	gy.M.	80	82	--	40' flat trawl
64	29°25'	80°08'	6-12-56	0818-1315	175-212	gy.M.	82	82	--	40' flat trawl
65	29°37'	80°11'	6-12-56	1401-1808	175-130	gy.M.	84	82	--	40' flat trawl
66	28°33'	79°52'	6-13-56	1222-1708	195-203	gy.M.	83	82	--	40' flat trawl
67	28°48'	79°53'	6-13-56	1750-2255	212-213	gy.M.	82	82	--	40' flat trawl
68	29°03'	79°59'	6-13-56	2350-0505	175	gy.M.	78	82	--	40' flat trawl
69	29°14'	80°04'	6-14-56	0543-1049	174-193	gy.M.	79.2	82	--	40' flat trawl
70	29°32'	80°08'	6-14-56	1116-1432	190-150	gy.M.	84	82	--	40' flat trawl
71	29°42'	80°11'	6-14-56	1514-1902	208-175	gy.M.	84	82	--	40' flat trawl
72	32°25'	78°39'	6-21-56	1824-2018	167-173	--	82	79.5	--	40' flat trawl
73	32°52'	77°24'	6-22-56	0510-0904	190-202	S.	78	78	--	40' flat trawl
74	33°08'	76°58'	6-23-56	1531-1716	230-252	--	85	81	--	40' flat trawl
75	33°12'	76°50'	6-23-56	--	225-202	--	80	81	--	40' flat trawl
76	29°28'	80°08'	6-27-56	0137-0230	225-245	gy.M.	79	81	--	40' flat trawl
77	29°31'	80°09'	6-27-56	0320-0730	180-225	gy.M.	79	81	--	40' flat trawl
78	29°44'	80°10'	6-27-56	0817-1320	177	gy.M.	80	81	--	40' flat trawl
79	29°41'	80°11'	6-27-56	--	205	gy.M.	83	81	--	40' flat trawl

Table 4.--M/V Silver Bay station list

M/V SILVER BAY STATION LIST

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1	29°41'	88°03'	6-13-57	--	17-20	M.	83	82	--	60' fish trawl
2	29°41'	88°03'	6-13-57	--	18	M.	--	--	--	Dip net
3	28°19'	90°18'	6-24-57	0600-0730	33-28	M.	--	--	--	60' roller net
4	28°15'	90°55'	6-24-57	1235-1320	50-56-47	M.Co.	82	80	--	60' roller net
5	28°50'	92°41'	6-25-57	0605-0705	28	M.	78	80	--	60' roller net
6	28°28'	94°20'	6-25-57	0835-0935	28	M.	80	82	--	60' roller trawl
7	28°30'	94°25'	6-28-57	1700-1830	28-29	S.M.Sh.	79	80	--	60' roller net
8	28°12'	94°10'	6-29-57	--	27	M.S.Sh.	80	80	--	60' roller net
9	28°10'	94°05'	6-29-57	--	30	--	81	80	--	60' roller net
10	28°08'	94°35'	6-29-57	--	31	S.Spg.	82	80	--	--
11	28°08'	94°35'	6-29-57	--	31	Co.M.	85	80	--	60' roller net
12	29°04'	88°43'	7-1-57	0255-0455	44-42	M.	82	80	--	52' roller trawl
13	29°12'	88°45'	7-1-57	0515-0520	38	Co.	80	82	--	52' roller net
14	29°20'	88°20'	7-1-57	--	24-27	S.M.	80	82	--	52' roller net
15	30°10'	88°17'	7-12-57	1328-1348	7	gy.M.S.	78	84	--	Quahog dredge
16	30°05'	87°42'	7-12-57	1732-1804	10-11	S.	--	--	--	Quahog dredge
17	30°09'	87°34'	7-12-57	1837-1900	11	S.	83	83	--	Quahog dredge
18	30°11'	87°25'	7-12-57	--	--	S.	80	84	--	Quahog dredge
19	--	--	7-12 13-57	--	--	S.	81	84	--	Trap lift net
20	30°14'	87°13'	7-13-57	0737-0807	12	S.	78	82	--	Quahog dredge
21	30°15'	87°13'	7-13-57	0813-0843	10-13	S.	79	82	--	Quahog dredge
22	30°16'	87°11'	7-13-57	0910-0940	10-14	S.	--	--	--	Quahog dredge
23	30°20'	87°02'	7-13-57	1105-1135	7	S.	81	85	--	Quahog dredge
24	30°21'	87°00'	7-13-57	1143-1215	7-8	S.	81	85	--	Quahog dredge
25	30°20'	86°58'	7-13-57	1222-1255	8-11	--	81	85	--	Quahog dredge
26	30°22'	86°56'	7-13-57	1301-1335	11-14	--	81	86	--	Quahog dredge
27	30°23'	86°52'	7-13-57	1343-1422	14-11	--	81	84	--	Quahog dredge
28	30°10'	86°57'	7-13-57	1440-1510	15	--	84	--	--	Quahog dredge
29	30°08'	86°50'	7-13-57	1530-1600	15-20	S.	81	83	--	Quahog dredge
30	30°04'	86°42'	7-14-57	--	25-50	S.	84	84	--	Quahog dredge
31	--	--	7-14-57	0200-0500	4	S.	--	--	--	Trap lift net
32	29°30'	85°35'	7-14-57	--	11-12	S.	83	83	--	Quahog dredge
33	29°27'	85°34'	7-14-57	--	12	S.	83	84	--	Quahog dredge
34	29°50'	85°30'	7-14-57	1030-1100	7	--	82	84	--	Quahog dredge
35	29°20'	85°31'	7-14-57	1225-1250	25-30	S.	--	--	--	8' scallop dredge
36	29°17'	85°32'	7-14-57	--	30-36	S.	82	86	--	8' scallop dredge
37	29°15'	85°31'	7-14-57	1400-1430	36-35	S.	--	--	--	8' scallop dredge
38	29°12'	85°32'	7-14-57	--	--	S.	82	85	--	8' scallop dredge
39	29°21'	85°18'	7-14-57	--	13	S.M.	83	85	--	8' scallop dredge
40	--	--	7-14-57	--	--	--	--	--	--	Trap lift net
41	29°19'	85°09'	7-15-57	0827-0900	13	S.	--	--	--	8' scallop dredge
42	29°16'	85°08'	7-15-57	0932-1015	16-14	--	89	86	--	8' scallop dredge
43	29°12'	85°13'	7-15-57	1050-1100	13.5-17	S.	83	87	--	8' scallop dredge
44	29°09'	85°17'	7-15-57	--	15-21-17	S.	85	85	--	8' scallop dredge
45	29°09'	85°17'	7-15-57	--	17-19	S.	--	--	--	8' scallop dredge
46	29°09'	85°17'	7-15-57	--	20	--	82	87	--	8' scallop dredge
47	29°06'	85°15'	7-15-57	1317-1415	18-23	S.Sp.	82	87	--	8' scallop dredge
48	29°00'	85°15'	7-15-57	1430-1514	23-30	S.Spg.G.	82	84	--	8' scallop dredge
49	28°59'	85°19'	7-15-57	1524-1605	30-36	S.G.Sp.	81	85	--	8' scallop dredge
50	28°58'	85°20'	7-15-57	1628-1715	38-44	S.G.Sp.	82	85	--	8' scallop dredge
51	28°39'	85°28'	7-15-57	1910-2015	91-104	--	83	84	--	8' scallop dredge
52	28°38'	84°25'	7-16-57	0555-0636	21	--	--	--	--	8' scallop dredge
53	28°33'	84°24'	7-16-57	--	22-20	Sp.Rk.Co.G.S.	80	83	--	8' scallop dredge
54	28°09'	83°50'	7-16-57	1148-1227	20	--	85	85	--	8' scallop dredge
55	28°09'	83°48'	7-16-57	1405-1435	18-19	--	85	85	--	8' scallop dredge
56	--	--	7-16-57	--	--	--	--	--	--	Trap lift net
57	--	--	7-17-57	--	5	S.	--	--	--	8' scallop dredge
58	27°28'	82°48'	7-17-57	0800-0830	4-3	--	85	85	--	8' scallop dredge
59	27°30'	82°46'	7-17-57	0855-0930	3	S.G.Sh.	82	84	--	8' scallop dredge
60	27°11'	82°33'	7-17-57	1300-1330	3	--	84	85	--	8' scallop dredge
61	26°54'	82°33'	7-17-57	1400-1430	6	S.Sh.	81	85	--	8' scallop dredge
62	26°55'	82°38'	7-17-57	--	2.5	S.Sh.	84	85	--	Quahog dredge #2
63	26°40'	82°20'	7-17-57	1715-1738	6	S.Sh.	81	85	--	8' scallop dredge
64	--	--	7-17/18-57	--	--	--	--	--	--	--
65	26°22'	82°05'	7-18-57	0930-1000	3	--	--	--	--	--
66	26°21'	82°05'	7-18-57	1020-1050	2.5	--	--	--	--	8' scallop dredge
67	26°20'	82°03'	7-18-57	--	--	S.	81	84	--	8' scallop dredge
68	26°17'	82°02'	7-18-57	1240-1305	6	Rk.Sp.Sh.	81	84	--	8' scallop dredge
69	26°13'	82°05'	7-18-57	1350-1420	7	M.S.Sp.	--	--	--	8' scallop dredge
70	26°07'	81°52'	7-18-57	1605-1640	3.5	M.Sh.	83	85	--	8' scallop dredge
71	25°26'	81°40'	7-18-57	2020-2050	4.5	--	82	85	--	8' scallop dredge
72	25°14'	81°41'	7-18-57	--	5	--	--	--	--	Dip net
73	24°54'	81°30'	7-19-57	--	4½-5	--	83	85	--	8' scallop dredge
74	24°42'	81°37'	7-19-57	--	5	--	--	--	--	8' scallop dredge
75	24°49'	81°47'	7-19-57	0820-0840	8	M.Sh.	84	85	--	8' scallop dredge
76	24°48'	81°48'	7-19-57	0850-0920	8	--	82	85	--	8' scallop dredge
77	24°40'	81°51'	7-19-57	0945-1015	8	--	82	85	--	8' scallop dredge
78	24°44'	82°02'	7-19-57	1050-1120	9-7	--	84	86	--	8' scallop dredge
79	24°45'	82°06'	7-19-57	1205-1235	10	M.Sh.	84	86	--	8' scallop dredge
80	26°15'	82°53'	7-24-57	1700-1735	20-19	--	86	--	--	8' scallop dredge
81	26°20'	82°46'	7-24-57	1845-1920	15½-15	--	82	82	--	8' scallop dredge
82	26°46'	82°53'	7-24-57	2140-2220	17	--	82	83	--	8' scallop dredge
83	27°40'	83°41'	7-25-57	0615-0650	22	--	81	82	--	8' scallop dredge
84	27°56'	83°30'	7-25-57	--	16-15	--	83	84	--	8' scallop dredge
85	28°05'	83°20'	7-25-57	1035-1110	12	--	80	84	--	8' scallop dredge
86	28°17'	82°42'	7-25-57	1405-1440	16-17	--	82	84	--	8' scallop dredge
87	28°55'	84°15'	7-25-57	1845-1920	13-15	--	82	--	--	8' scallop dredge
88	29°02'	84°43'	7-26-57	0500-0535	20-19	--	82	--	--	8' scallop dredge
89	29°02'	84°50'	7-26-57	0548-0625	21-20	--	82	--	--	8' scallop dredge
90	29°04'	84°51'	7-26-57	0635-0712	20-19	--	82	--	--	8' scallop dredge
91	29°06'	84°52'	7-26-57	0726-0805	19	--	80	82	--	8' scallop dredge
92	29°05'	85°05'	7-26-57	1010-1045	17-18	--	81	--	--	8' scallop dredge
93	29°04'	85°16'	7-26-57	1050-1125	21-19	--	83	84	--	8' scallop dredge
94	29°06'	85°17'	7-26-57	1140-1215	19	--	82	84	--	8' scallop dredge
95	29°07'	85°16'	7-26-57	1225-1300	19	--	--	--	--	8' scallop dredge
96	29°06'	85°16'	7-26-57	1415-1450	20	--	82	84	--	8' scallop dredge
97	29°06'	85°14'	7-26-57	1400-1436	19	--	82	84	--	8' scallop dredge
98	29°07'	85°12'	7-26-57	1450-1525	20	--	81	84	--	8' scallop dredge
99	29°07'	85°14'	7-26-57	1540-1615	20-21	--	81	84	--	8' scallop dredge
100	29°10'	85°48'	7-26-57	2015-2115	55-71	--	81	--	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
101	29°08'	85°51'	7-27-57	0550-0650	93-100	--	81	83	--	8' scallop dredge
102	29°10'	85°56'	7-27-57	0715-0815	100-110	--	81	83	--	8' scallop dredge
103	29°10'	85°59'	7-27-57	0845-0945	110-117	--	80	83	--	8' scallop dredge
104	29°10'	86°05'	7-27-57	1010-1045	116-117	--	80	83	--	8' scallop dredge
105	29°12'	86°04'	7-27-57	1115-1215	111-105	--	80	83	--	8' scallop dredge
106	29°13'	86°06'	7-27-57	1320-1450	105-90	--	83	85	--	52' balloon trawl
107	29°09'	86°03'	7-27-57	1530-1705	87-76	--	83	84	--	52' balloon trawl
108	29°21'	86°07'	7-27-57	1745-1915	71-52	--	82	84	--	52' balloon trawl
109	29°35'	86°00'	7-28-57	0545-0715	23	--	80	83	--	52' balloon trawl
110	29°43'	85°59'	7-28-57	0740-0920	23-19	--	81	84	--	52' balloon trawl
111	29°48'	85°55'	7-28-57	0945-1115	19-18	--	80	84	--	52' balloon trawl
112	30°14'	86°00'	7-29-57	--	3	--	--	--	--	Bait lift net
113	29°27'	84°58'	8-14-57	--	7	S.	85	--	--	14 tooth quahog dredge
114	29°30'	84°57'	8-14-57	--	5	S.	85	--	--	14 tooth quahog dredge
115	29°44'	84°37'	8-14-57	1515-1530	3.5-4	S.M.	85	--	--	14 tooth quahog dredge
116	27°35'	82°41'	8-17-57	0914-0930	4	--	87	87	--	Quahog dredge
117	27°35'	82°42'	8-17-57	0936-0951	4	--	87	87	--	Quahog dredge
118	27°35'	82°44'	8-17-57	1006-1020	4	--	87	87	--	Quahog dredge
119	27°30'	82°48'	8-17-57	1045-1115	3	S.	86	87	--	Quahog dredge
120	27°34'	82°50'	8-17-57	1121-1200	3	S.	86	87	--	Quahog dredge
121	27°44'	82°46'	8-17-57	1300-1323	3	S.	86	87	--	--
122	27°35'	82°50'	8-17-57	1325-1345	4	S.	86	87	--	Quahog dredge
123	27°43'	82°47'	8-17-57	1400-1420	4	S.	86	87	--	2 quahog dredges
124	27°38'	82°51'	8-17-57	1432-1452	4	S.	86	87	--	Quahog dredge
125	27°44'	82°46'	8-17-57	1510-1530	4	S.	86	87	--	2 quahog dredges
126	27°34'	82°50'	8-17-57	1541-1601	4	S.	86	87	--	Quahog dredge
127	27°42'	82°17'	8-17-57	1612-1630	4	S.	86	87	--	Quahog dredge
128	27°44'	82°45'	8-17-57	1635-1705	4	S.	86	87	--	2 quahog dredges
129	27°20'	82°38'	8-17/18-57	--	5	--	85	87	--	Dip net
130	27°19'	82°37'	8-18-57	--	4	M.S.	86	86	--	2 quahog dredges
131	27°15'	82°34'	8-18-57	0730-0800	4-5	M.S.	86	87	--	2 quahog dredges
132	27°06'	82°31'	8-18-57	0915-0945	4-5	M.S.	86	--	--	2 quahog dredges
133	26°55'	82°21'	8-18-57	1040-1110	4	M.Rk.S.	86	--	--	2 quahog dredges
134	26°50'	82°20'	8-18-57	1130-1205	4	M.S.	86	87	--	Quahog dredge
135	26°48'	82°18'	8-18-57	1215-1245	4	M.S.	86	87	--	Quahog dredge
136	26°48'	82°20'	8-18-57	1443-1510	4	M.S.	86	87	--	2 quahog dredges
137	27°43'	82°46'	8-19-57	0620-0650	3	S.	86	87	--	2 quahog dredges
138	27°44'	82°46'	8-19-57	0655-0715	4	M.Co.S.	86	87	--	2 quahog dredges
139	27°38'	82°47'	8-19-57	--	4	M.	86	--	--	2 quahog dredges
140	27°37'	82°46'	8-19-57	0810-0840	4	M.S.	86	87	--	2 quahog dredges
141	27°38'	82°51'	8-19-57	0850-0920	4	M.S.	86	87	--	2 quahog dredges
142	27°37'	82°48'	8-19-57	0930-1000	4	M.	86	87	--	2 quahog dredges
143	27°38'	82°51'	8-19-57	1010-1050	4	M.	86	87	--	2 quahog dredges
144	27°44'	82°46'	8-19-57	1100-1130	4	M.	86	87	--	2 quahog dredges
145	27°46'	82°44'	8-19-57	1140-1220	4	M.	87	87	--	2 quahog dredges
146	27°44'	82°46'	8-19-57	1230-1300	4	M.	86	87	--	2 quahog dredges
147	--	--	8-19-57	1455-1515	4-5	M.	86	87	--	2 quahog dredges
148	28°05'	82°52'	8-20-57	1655-1715	4	--	81	86	--	2 quahog dredges
149	28°11'	82°56'	8-20-57	1815-1845	4	--	81	86	--	2 quahog dredges
150	28°22'	82°56'	8-20-57	2000-2030	3	--	81	86	--	2 quahog dredges
151	28°56'	83°10'	8-21-57	0825-0845	4	--	81	86	--	2 quahog dredges
152	29°01'	83°21'	8-21-57	1015-1115	6	--	85	81	--	52' roller net
153	29°01'	83°45'	8-21-57	1345-1445	11	--	85	82	--	52' roller trawl
154	28°58'	84°44'	8-22-57	0655-0820	76-81	--	82	81	--	52' roller trawl
155	29°02'	85°46'	8-22-57	0905-1030	81-87	--	84	81	--	52' roller trawl
156	29°04'	85°49'	8-22-57	--	100-102	--	86	82	--	52' roller trawl
157	29°12'	86°06'	8-22-57	1550-1715	116	--	85	81	--	52' roller trawl
158	29°32'	86°04'	8-23-57	0725-0835	40	--	80	--	--	52' roller trawl
159	29°36'	86°01'	8-23-57	0950-1120	23-22	--	82	82	--	52' roller trawl
160	29°36'	85°54'	8-23-57	1145-1315	22-21	--	85	82	--	52' roller trawl
161	29°38'	85°53'	8-23-57	1335-1505	21-18	--	86	83	--	52' roller trawl
162	29°40'	85°50'	8-23-57	1535-1720	18-16	--	83	81	--	52' roller trawl
163	29°44'	85°44'	8-23-57	1745-1905	16	S.Sh.	78	81	--	52' roller trawl
164	29°54'	85°48'	8-24-57	0715-0845	17-15	--	76	80	--	52' fish trawl
165	30°12'	88°32'	8-28-57	1122-1220	4	--	85	--	--	52' fish trawl
166	30°12'	88°36'	8-28-57	1242-1340	4	M.S.	85	83	--	52' fish trawl
167	30°12'	88°40'	8-28-57	1412-1540	4	M.S.	85	83	--	52' fish trawl
168	30°00'	88°21'	8-28-57	1602-1730	4	--	85	--	--	52' fish trawl
169	30°11'	88°31'	8-28-57	2120-2245	4	--	84	--	--	52' fish trawl
170	30°00'	88°21'	8-28-57	--	15	--	84	--	--	52' fish trawl
171	30°00'	88°21'	8-29-57	0620-0820	16	M.	83	85	--	52' fish trawl
172	29°51'	88°12'	8-29-57	0845-1045	17	M.	82	--	--	52' fish trawl
173	29°46'	88°11'	8-29-57	1115-1245	18	--	82	--	--	52' fish trawl
174	29°43'	88°11'	8-29-57	1325-1455	21	M.	82	--	--	52' fish trawl
175	28°05'	90°52'	9-20-57	1245-1415	100	gn.M.	86	--	--	60/78' net
176	28°06'	90°58'	9-20-57	1520-1650	75	gn.M.	84	--	--	60/78' net
177	28°06'	90°43'	9-20-57	1812-1935	75	gn.M.	84	--	--	60/78' net
178	28°11'	90°51'	9-21-57	0545-0715	45	--	82	--	--	60/78' net
179	28°06'	91°09'	9-21-57	1045-1215	75-100	G.M.S.	86	--	--	76/96' net
180	28°05'	91°40'	9-21-57	1707-1840	60	--	84	--	--	76/96' net
181	28°04'	92°05'	9-22-57	0605-0740	43	S.M.	82	--	--	76/96' net
182	28°07'	92°57'	9-22-57	1110-1240	49	--	86	--	--	76/96' net
183	27°53'	93°00'	9-22-57	1645-1715	100	--	84	--	--	76/96' net
184	28°06'	93°24'	9-23-57	0815-1015	44	M.	78	--	--	60/78' net
185	28°17'	93°45'	9-23-57	1455-1625	32	--	80	--	--	60/78' net
186	28°10'	94°17'	9-25-57	1735-1805	27	S.Sh.	80	--	--	60/78' net
187	28°30'	94°37'	9-25-57	0605-0735	19	M.Sh.	78	--	--	76/96' net
188	28°28'	95°00'	9-27-57	0605-0805	21	M.Sh.	76	--	--	76/96' net
189	28°27'	95°02'	9-27-57	0835-1035	20	M.Sh.	80	--	--	76/96' net
190	28°07'	95°03'	9-27-57	1225-1355	30	M.Sh.	80	--	--	76/96' net
191	28°09'	95°04'	9-27-57	1425-1555	32	M.Sh.	82	--	--	76/96' net
192	28°04'	95°05'	9-27-57	1615-1815	34	M.	84	--	--	76/96' net
193	27°51'	95°30'	9-29-57	0610-0745	41-45	M.Sh.	78	--	--	76/96' net
194	27°50'	95°25'	9-29-57	0840-0910	43-45	M.S.	80	--	--	60/78' net
195	27°52'	95°20'	9-29-57	1120-1250	44	M.Sh.	82	--	--	60/78' net
196	27°50'	95°25'	9-29-57	1315-1330	44	--	82	--	--	60/78' net
197	29°49'	95°26'	9-29-57	1625-1720	44	M.Sh.	82	--	--	60/78' net
198	27°54'	95°24'	9-30-57	0630-0830	43	--	76	--	--	76/96' net
199	27°55'	95°20'	9-30-57	0855-1055	43	M.Sh.	82	--	--	76/96' net
200	27°59'	95°15'	9-30-57	1115-1310	43-46	M.S.	84	--	--	76/96' net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
201	27°59'	95°10'	9-30-57	1330-1530	45	M.	80	--	--	76/96' net
202	27°59'	95°05'	9-30-57	1600-1800	45	M.	78	--	--	76/96' net
203	28°01'	95°00'	10-1-57	0615-0815	41-37	M.	78	--	--	76/96' net
204	28°05'	94°52'	10-1-57	0935-1135	34-44	M.	80	--	--	76/96' net
205	28°00'	94°51'	10-1-57	1200-1400	45	M.	80	--	--	76/96' net
206	28°00'	94°48'	10-1-57	1420-1620	50-47	M.	80	--	--	76/96' net
207	27°59'	94°49'	10-1-57	1645-1845	47-38	M.	78	--	--	76/96' net
208	28°03'	94°57'	10-2-57	0600-0800	38-33	M.	76	--	--	76/96' net
209	28°04'	94°54'	10-2-57	0830-1030	33	M.	80	--	--	76/96' net
210	28°05'	94°51'	10-2-57	1045-1245	33	M.	80	--	--	76/96' net
211	29°43'	80°09'	11-20-57	0728-1028	200	gn.M.	70	--	--	40' flat trawl
212	29°29'	80°07'	11-20-57	1135-1435	200	gn.M.	74	--	--	40' flat trawl
213	29°20'	80°06'	11-20-57	1530-1830	200-210	gn.M.	72	--	--	40' flat trawl
214	29°56'	80°12'	11-20-57	2352-0352	180	gn.M.	64	--	--	40' flat trawl
215	29°48'	80°14'	11-21-57	--	--	--	--	--	--	Drift net
216	29°45'	80°09'	11-21-57	0805-1005	200	gn.M.	68	--	--	96/126' balloon trawl
217	29°41'	80°08'	11-21-57	1120-1420	180-200	gn.M.	72	--	--	96/126' balloon trawl
218	29°38'	80°11'	11-21-57	1515-1815	220	gn.M.	78	--	--	96/126' balloon trawl
219	29°34'	80°09'	11-21-57	1915-2215	190	gn.M.	72	78	--	65' flat trawl
220	29°29'	80°09'	11-22-57	0027-0500	180	gn.M.	72	78	--	65' flat trawl
221	29°21'	80°06'	11-22-57	0610-0910	180	gn.M.	72	--	--	65' flat trawl
222	29°09'	80°05'	11-23-57	2018-2048	93	gn.M.	78	--	--	65' flat trawl
223	29°14'	80°05'	11-23-57	2155-2240	135	gn.M.	76	79	--	65' flat trawl
224	29°29'	80°09'	11-24-57	0035-0235	180	gn.M.	78	77	--	65' flat trawl
225	29°27'	80°13'	11-24-57	0345-0700	180	gn.M.	78	77	--	65' flat trawl
226	29°25'	80°07'	11-24-57	0757-0957	190	gn.M.	78	--	--	65' flat trawl
227	29°22'	80°05'	11-24-57	1112-1312	200	gn.M.	86	--	--	65' flat trawl
228	30°04'	80°10'	11-24-57	1817-2017	190	gn.M.	75	79	--	65' flat trawl
229	30°03'	80°10'	11-24-57	2112-2312	200	--	77	--	--	65' flat trawl
230	30°00'	80°10'	11-25-57	0000-0353	205-210	gn.M.	78	79	--	65' flat trawl
231	29°16'	80°05'	11-28-57	0710-0910	200	gn.M.	71	78	--	65' flat trawl
232	29°14'	80°02'	11-28-57	1009-1210	225-250	gn.M.	--	78	--	65' flat trawl
233	29°13'	80°04'	11-28-57	1350-1550	160	M.	78	--	--	40' flat trawl
234	29°11'	80°03'	11-28-57	1641-1841	170-180	gn.M.	--	79	--	40' flat trawl
235	28°51'	79°56'	11-28-57	2307-0107	200	M.	77	79	--	40' flat trawl
236	28°49'	79°53'	11-29-57	0210-0510	180-190	gn.M.	76	--	--	40' flat trawl
237	29°41'	79°53'	11-29-57	0606-0806	200-225	M.	76	--	--	40' flat trawl
238	28°22'	80°26'	11-29-57	1307-1405	8	br.S.	78	--	--	40' flat trawl
239	28°18'	80°29'	11-29-57	1507-1607	8	S.M.	76	--	--	96/126' balloon trawl
240	28°22'	80°26'	11-29-57	1625-1725	8	S.M.	76	--	--	96/126' balloon trawl
241	28°21'	80°35'	11-30-57	0723-0820	6	S.M.	72	--	--	96/126' balloon trawl
242	28°12'	80°34'	11-30-57	0843-1013	6	S.M.	74	--	--	96/126' balloon trawl
243	28°12'	80°34'	11-30-57	1040-1210	6	S.M.	76	--	--	96/126' balloon trawl
244	28°12'	80°34'	11-30-57	1225-1355	6	S.M.	75	74	--	96/126' balloon trawl
245	28°16'	80°34'	12-2-57	1329-1429	6	S.M.	62	--	--	2 40' flat trawls
246	28°18'	80°34'	12-2-57	1503-1513	6	S.M.	70	--	--	2 40' flat trawls
247	28°17'	80°34'	12-2-57	1548-1648	6	S.M.	72	--	--	96/126' balloon trawl
248	28°16'	80°34'	12-2-57	1708-1908	6	S.M.	70	--	--	96/126' balloon trawl
249	29°33'	80°12'	12-3-57	--	180-190	gn.M.	65	76	--	96/126' balloon trawl
250	29°28'	80°06'	12-3-57	0916-1216	200	gn.M.	75	--	--	96/126' balloon trawl
251	29°26'	80°06'	12-3-57	1404-1704	200	gn.M.	76	76	--	96/126' balloon trawl
252	29°23'	80°04'	12-3-57	1844-2145	200	M.	70	76	--	40' flat trawl
253	29°25'	80°06'	12-3-57	2332-0232	200-210	gn.M.	72	--	--	40' flat trawl
254	29°25'	80°06'	12-4-57	0349-0650	200-210	gn.M.	68	77	--	40' flat trawl.
255	29°20'	80°05'	12-4-57	0808-1110	200-210	M.	68	77	--	40' flat trawl
256	28°51'	95°12'	1-26-58	0848-0948	10	M.	54	--	--	52/72' roller net
257	28°47'	95°18'	1-26-58	1053-1225	10	M.	58	--	--	52/72' roller net
258	28°07'	95°53'	1-26-58	1749-1930	20	M.	60	54	--	52/72' roller net
259	27°47'	96°11	1-26/27-58	--	36	--	63	64	--	Dip station
260	27°49'	96°10'	1-27-58	0719-0845	39	M.	64	64	--	52/72' roller net
261	27°49'	96°10'	1-27-58	0915-1045	40	M.	68	--	--	52/72' roller net
262	27°45'	96°13'	1-27-58	1115-1210	40	--	72	--	--	52/72' roller net
263	27°42'	96°18'	1-27-58	1350-1520	35	M.	66	--	--	76/96' roller net
264	27°37'	96°19'	1-27-58	1625-1810	45	M.	69	--	--	76/96' roller net
265	27°09'	96°48'	1-28-58	0635-0740	32	M.	65	--	--	76/96' roller net
266	27°04'	96°43'	1-28-58	0850-1020	45	M.	65	62	--	76/96' roller net
267	27°04'	96°39'	1-28-58	1105-1220	47	--	68	62	--	76/96' roller net
268	26°24'	96°41'	1-28-58	1700-1830	25	M.	62	57	--	76/96' roller net
269	26°08'	96°48'	1-29-58	0605-0805	23	M.	56	58	--	76/96' roller net
270	26°04'	96°50'	1-29-58	0830-0945	23	Co.M.	56	59	--	76/96' roller net
271	26°02'	96°50'	2-1-58	1107-1237	23	S.M.Sh.	75	61	68.3	76/96' roller net
272	26°03'	96°50'	2-1-58	1300-1410	23	Co.Sh.	66	64.4	68.7	76/96' roller net
273	26°26'	97°00'	2-1-58	1720-1820	18	Co.S.	66	62.2	66.9	76/96' roller net
274	27°49'	96°13'	2-2-58	0750-0840	33-35	Co.M.Sh.	60	66.5	66.2	76/96' roller net
275	27°47'	96°11'	2-2-58	0910-1025	35	M.S.	64	66	63.5	76/96' roller net
276	27°45'	96°10'	2-2-58	1045-1215	40-45	M.S.	62	68	63.3	76/96' roller net
277	27°44'	96°08'	2-2-58	1240-1400	45-40	S.M.	77	--	--	76/96' roller net
278	27°44'	96°04'	2-2-58	1435-1545	40	M.S.	83	--	--	76/96' roller net
279	27°43'	95°59'	2-2-58	1605-1730	45-50	M.S.	76	--	--	76/96' roller net
280	27°43'	95°56'	2-2-58	1800-1940	50-42	M.	66	--	--	76/96' roller net
281	27°45'	95°48'	2-2-58	2035-2200	40	M.	65	--	--	52/72' roller net
282	27°37'	95°31'	2-3-58	0725-0845	100-45	S.M.	60	--	--	52/72' roller net
283	27°45'	95°40'	2-3-58	0925-1120	43-42	M.S.	60	--	--	52/72' roller net
284	27°43'	95°43'	2-3-58	1155-1400	40-50	Co.S.M.	61	--	--	52/72' roller net
285	27°45'	95°43'	2-3-57	1425-1625	40-50	--	62	--	--	52/72' roller net
286	27°46'	95°37'	2-3-58	1645-1845	45	Co.S.	61	--	--	52/72' roller net
287	27°49'	95°48'	2-4-58	0645-0845	30-32	Co.S.Sh.	66	--	--	52/72' roller net
288	27°47'	95°45'	2-4-58	0950-1150	35-40	M.	66	--	--	52/72' roller net
289	27°47'	95°42'	2-4-58	1220-1420	40-45	M.	68	--	--	52/72' roller net
290	27°46'	95°38'	2-4-58	1445-1720	45	M.	68	--	--	52/72' roller net
291	27°45'	95°42'	2-5-58	0750-0915	45	M.	68	--	--	52/72' roller net
292	27°46'	95°38'	2-5-58	0945-1115	42-45	M.	68	--	--	52/72' roller net
293	27°47'	95°33'	2-5-58	1155-1325	45-33	M.	68	--	--	52/72' roller net
294	27°54'	95°23'	2-5-58	1505-1635	43	M.	68	--	--	52/72' roller net
295	27°55'	95°17'	2-5-58	1710-1840	45	M.	69	--	--	52/72' roller net
296	29°45'	88°20'	3-12-58	1025-1200	20	M.	64	--	--	60/80' roller net
297	29°41'	88°12'	3-12-58	1340-1510	22	M.	68	--	--	60/80' roller net
298	29°37'	88°10'	3-12-58	1615-1750	20	M.	66	--	--	60/80' roller net
299	29°28'	88°08'	3-13-58	0715-0845	26	Q.S.	--	--	--	60/80' roller net
300	29°22'	88°06'	3-13-58	0930-1100	45-55	S.	62	--	--	60/80' roller net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
301	29°18'	88°02'	3-13-58	1130-1300	60-65	M.	--	--	--	60/80' roller net
302	29°25'	87°59'	3-13-58	1430-1530	32-37	--	62	--	--	60/80' roller net
303	29°45'	88°17'	3-14-58	0640-0810	20	M.S.	50	--	--	60/80' roller net
304	29°44'	88°11'	3-14-58	0840-1010	20	M.S.	--	--	--	60/80' roller net
305	29°42'	88°04'	3-14-58	1107-1237	20	M.S.	52	--	--	60/80' roller net
306	29°43'	87°52'	3-14-58	1335-1505	22	M.S.	48	--	--	60/80' roller net
307	29°40'	87°43'	3-14-58	1605-1755	20	M.S.	--	--	--	52/72' roller net
308	29°36'	87°32'	3-15-58	0615-0710	32-35	M.	58	68	--	52/72' roller net
309	29°29'	87°31'	3-15-58	0830-0885	37	--	64	--	--	52/72' roller net
310	29°31'	87°26'	3-15-58	0850-0845	44	gy.S.	68	--	--	52/72' roller net
311	29°39'	87°19'	3-15-58	1350-1515	56	--	70	--	--	52/72' roller net
312	30°03'	86°50'	3-16-58	0630-0800	55	M.S.	60	--	--	52/72' roller net
313	30°03'	86°42'	3-16-58	0855-1015	33-40	S.Sh.	60	--	--	52/72' roller net
314	30°00'	86°37'	3-16-58	1055-1220	30	S.Sh.	65	--	--	52/72' roller net
315	29°50'	86°30'	3-16-58	1405-1535	50-60	S.M.	62	--	--	52,72' roller net
316	29°50'	86°35'	3-17-58	1600-1700	60-70	S.M.	60	--	--	52,72' roller net
317	29°22'	87°38'	3-17-58	--	150	M.	66	--	--	52,72' roller net
318	29°17'	87°38'	3-17-58	1145-1345	250	gn.M.	--	--	--	52,72' roller net
319	29°34'	88°44'	3-21-58	0705-0805	9	Cl.S.	68	--	--	52/72' roller net
320	29°34'	88°58'	3-21-58	0850-0950	9-10	S.Sh.	--	--	--	60, 80' roller net
321	29°36'	88°37'	3-21-58	1050-1150	9-12	S.Sh.	--	--	--	60/80' roller net
322	29°40'	88°29'	3-21-58	1250-1350	20	M.S.	61	--	--	--
323	29°45'	88°24'	3-21-58	1450-1550	18	M.S.	65	--	--	60, 80' roller net
324	29°05'	88°54'	3-25-58	0635-0735	40-65	M.	--	--	--	60/80' roller net
325	29°05'	88°44'	3-25-58	0935-1035	50	--	--	--	--	60/80' roller net
326	29°06'	88°40'	3-25-58	1100-1200	50	M.	58	--	--	60/80' roller net
327	29°08'	88°41'	3-25-58	1305-1405	50	--	--	--	--	60/80' roller net
328	29°12'	88°35'	3-25-58	1515-1520	32	Co.	--	--	--	--
329	29°16'	88°31'	3-25-58	1630-1755	38	M.S.	--	--	--	60, 80' roller net
330	29°14'	88°23'	3-26-58	--	70-75	M.S.	58	--	--	60/80' roller net
331	29°15'	88°16'	3-26-58	--	50	Co.	58	--	--	52/72' roller net
332	29°17'	88°16'	3-26-58	0955-1035	46	M.S.	60	--	--	52/72' roller net
333	29°10'	88°08'	3-26-58	1515-1715	225	M.	60	--	--	40' flat trawl
334	29°12'	87°46'	3-27-58	0750-0850	225	M.S.	--	--	--	60/80' roller net
335	29°24'	88°18'	3-27-58	1430-1530	29	M.Sh.S.	55	--	--	60, 80' roller net
336	29°25'	88°20'	3-27-58	1555-1655	30	S.Sh.M.	58	--	--	60/80' roller net
337	29°26'	88°23'	3-27-58	1720-1820	30	M.Sh.S.	56	--	--	60/80' roller net
338	29°23'	88°16'	3-28-58	--	30	S.Sh.M.	64	--	--	60/80' roller net
339	29°25'	88°23'	3-28-58	0835-0820	30-28	M.S.Sh.	62	--	--	60/80' roller net
340	22°17'	91°29'	5-1-58	0715-0720	55	Co.	78	81	--	60/80' roller net
341	21°45'	91°30'	5-1-58	1245-1325	23	S.	83	82	--	60/80' roller net
342	21°42'	91°28'	5-1-58	1345-1515	25	S.Spg.	80	82	--	60/80' roller net
343	21°33'	91°32'	5-1-58	1535-1700	25	S.	82	82	--	60/80' roller net
344	19°43'	91°35'	5-2-58	0745-0858	22	M.	76	82	--	60 80' roller net
345	19°43'	91°41'	5-2-58	1020-1730	21	M.	80	82	--	Arrowhead snapper trap
346	19°48'	91°42'	5-2-58	1150-1155	23	Spg.Rk.	82	82	--	60, 80' roller net
347	19°47'	91°45'	5-2-58	1200-1400	23	Rk.	82	82	--	Handline
348	19°47'	91°45'	5-2-58	1300-1400	23-24	Rk.	78	83	--	Arrowhead snapper trap
349	20°02'	91°46'	5-3-58	0915-1015	23	S.Co.	78	83	--	52/72' roller net
350	20°02'	91°47'	5-3-58	1140-1240	23	M.Sh.	80	83	--	52/72' roller net
351	20°06'	91°47'	5-3-58	1300-1430	23	S.Co.	80	83	--	52/72' roller net
352	20°05'	91°49'	5-3-58	1505-1640	23	S.Co.	79	84	--	52/72' roller net
353	20°09'	91°51'	5-3-58	1715-1835	23	S.Spg.	82	84	--	52/72' roller net
354	20°04'	91°55'	5-3-58	1915-2025	23	Spg.	78	84	--	52/72' roller net
355	20°02'	91°57'	5-4-58	0635-0710	25	S.Sh.	76	83	--	52/72' roller net
356	20°03'	91°52'	5-4-58	0935-1050	24	S.Spg.	76	83	--	52/72' roller net
357	20°03'	91°55'	5-4-58	1110-1205	24	S.	75	83	--	52/72' roller net
358	20°02'	91°58'	5-4/7-58	1330-1200(71½hrs)	25-29	S.	75	83	--	5 arrowhead fish traps
359	20°06'	91°59'	5-5-58	0745-0900	32	S.	76	83	--	52/72' roller net
360	20°00'	91°57'	5-5-58	0925-1025	34-36	S.M.	77	83	--	52/72' roller net
361	20°00'	91°57'	5-5-58	1125-1215	27	S.	80	84	--	52/72' roller net
362	20°00'	91°43'	5-5-58	1255-1425	24	S.Sh.	80	84	--	52/72' roller net
363	19°58'	91°42'	5-5-58	1455-1625	23	M.	79	85	--	52/72' roller net
364	19°57'	91°45'	5-5-58	1650-1810	23	Spg.S.	78	84	--	52/72' roller net
365	19°57'	91°40'	5-5-58	1915-2055	17	S.	78	84	--	52/72' roller net
366	19°59'	91°39'	5-6-58	0620-0750	24	S.Sh.	76	83	--	52/72' roller net
367	19°54'	91°40'	5-6-58	0815-0945	24	M.	77	83	--	52/72' roller net
368	20°00'	91°44'	5-6-58	1005-1125	25	M.	77	83	--	52/72' roller net
369	20°06'	91°40'	5-6-58	1150-1320	24	Spg.	78	83	--	52/72' roller net
370	20°08'	91°41'	5-6-58	1345-1505	23	S.Spg.Co.	78	84	--	52/72' roller net
371	20°10'	91°43'	5-6-58	1530-1655	23	Co.Sp.S.	78	84	--	52/72' roller net
372	20°10'	91°45'	3-6-58	1725-1840	24	Sp.S.Co.	78	84	--	52/72' roller net
373	20°01'	91°53'	5-7-58	0600-0700	22	S.	76	83	--	52/72' roller net
374	20°05'	91°51'	5-7-58	0720-0820	22	Spg.	76	83	--	52/72' roller net
375	20°08'	91°50'	5-7-58	0845-0945	22	Sp.	76	83	--	52/72' roller net
376	20°02'	91°55'	5-7-58	1010-1115	25	Spg.	78	84	--	52/72' roller net
377	21°08'	91°39'	5-8-58	0615-0745	23	S.	76	83	--	52/72' roller net
378	21°06'	91°43'	5-8-58	0800-0930	26-25	Co.	76	83	--	52/72' roller net
379	21°05'	91°50'	5-8-58	1010-1215	25	S.Co.	80	83	--	52/72' roller net
380	21°04'	91°54'	5-8-58	1230-1420	26-27	S.Sp.	82	83	--	52/72' roller net
381	21°02'	91°56'	5-8-58	1440-1610	26	S.Sh.	81	83	76	52/72' roller net
382	21°06'	91°56'	5-8-58	1625-1808	26	S.	79	83	--	52/72' roller net
383	21°11'	91°47'	5-8-58	1825-2115	26	S.	79	83	--	52/72' roller net
384	21°35'	91°20'	5-9-58	0725-0825	25	S.	76	83	--	52/72' roller net
385	21°39'	91°18'	5-9-58	0845-1015	25	S.Sh.	77	83	--	52/72' roller net
386	21°44'	91°15'	5-9-58	1130-1300	25	--	78	83	--	52/72' roller net
387	21°47'	91°11'	5-9-58	1330-1500	25	Spg.	78	82	--	52/72' roller net
388	21°44'	91°07'	5-9-58	1525-1655	23½	S.	78	83	--	52/72' roller net
389	21°45'	91°08'	5-9-58	1715-1845	26	S.	76	83	--	--
390	22°18'	90°45'	5-10-58	0725-0825	33-34	M.	76	82	--	52/72' roller net
391	22°22'	90°41'	5-10-58	0850-1015	35-36	M.S.	76	82	--	52/72' roller net
392	22°21'	90°39'	5-10-58	1050-1150	35-36	M.S.	80	82	--	52/72' roller net
393	22°28'	90°24'	5-10-58	1325-1445	40	S.Spg.	80	82	--	52/72' roller net
394	22°24'	90°17'	5-10-58	1640-1800	33	Sp.	78	82	--	52/72' roller net
395	22°22'	90°16'	5-10-58	1825-2000	30	Sp.	78	82	--	52/72' roller net
396	22°22'	90°17'	5-10-58	--	30	--	78	82	--	Dip station
397	22°26'	90°15'	5-11-58	0615-0715	30	hrd.Co.S.	76	81	--	52/72' roller net
398	22°29'	90°03'	5-11-58	1100-1225	37	Sh.S.	80	82	--	52/72' roller net
399	22°30'	90°00'	5-11-58	1245-1420	40	Sh.S.	80	83	--	52/72' roller net
400	22°32'	89°55'	5-11-58	1445-1620	40	S.Sh.	80	83	--	52/72' roller net

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
401	22°34'	89°56'	5-11-58	1640-1810	42	S.Sh.	80	83	--	52/72' roller net
402	22°23'	89°53'	5-11-58	1835-2035	30	S.Spg.	78	84	--	52/72' roller net
403	22°12'	89°57'	5-11-58	2200-0100	27	--	78	84	--	Dip station
404	22°13'	89°43'	5-12-58	0620-0720	25	S.	76	82	--	52/72' roller net
405	22°13'	89°42'	5-12-58	0835-0955	25	Co.S.	90	82	--	52/72' roller net
406	22°13'	89°42'	5-12-58	1020-1155	24	Co.S.	90	82	--	52/72' roller net
407	22°13'	89°43'	5-12/13-58	1530-1820(26 hrs)	27	--	80	82	--	3 arrowhead snapper traps
408	22°13'	89°45'	5-12-58	1530-1620	27	--	80	82	--	Handlines
409	22°13'	89°47'	5-12/13-58	1640-1825(26hrs)	27	--	82	82	--	Gill net
410	22°13'	89°50'	5-12-58	1800-2000	27	--	78	82	--	Dip station
411	22°09'	88°53'	5-14-58	0555-0725	23	S.	76	81	--	52/72' roller net
412	22°16'	88°54'	5-14-58	0755-0925	25	S.	76	81	--	52/72' roller net
413	22°18'	88°54'	5-14-58	0950-1050	26	S.Sh.	78	82	--	52/72' roller net
414	22°21'	88°48'	5-14-58	1140-1240	27	--	80	82	--	52/72' roller net
415	22°26'	88°43'	5-14-58	1340-1520	28	S.	78	83	--	52/72' roller net
416	22°31'	88°39'	5-14-58	1545-1705	29	--	76	83	--	52/72' roller net
417	22°34'	88°36'	5-14-58	1730-1900	30	S.	76	83	--	52/72' roller net
418	22°37'	88°37'	5-14-58	1925-2050	30	S.	76	82	--	52/72' roller net
419	22°45'	88°10'	5-15-58	0540-0720	33	S.Sh.	80	82	--	52/72' roller net
420	22°49'	88°13'	5-15-58	0740-0915	33	Co.Sh.	83	83	--	52/72' roller net
421	22°51'	88°08'	5-15-58	1000-1050	29	--	80	83	--	52/72' roller net
422	22°30'	88°13'	5-15-58	1410-1510	29	--	80	84	--	52/72' roller net
423	22°27'	88°11'	5-15-58	1540-1640	29	--	80	84	--	52/72' roller net
424	22°25'	88°08'	5-15-58	1705-1835	29	S.	78	84	--	52/72' roller net
425	23°00'	87°40'	5-16-58	0800-0900	35	--	76	83	--	Handlines
426	22°55'	87°47'	5-16-58	0910-1010	37	Co.S.	86	83	--	52/72' roller net
427	22°56'	87°53'	8-16-58	1105-1205	42	Co.S.	84	83	--	52/72' roller net
428	23°04'	88°02'	5-16-58	1305-1405	42-44	Co.S.	86	83	--	52/72' roller net
429	23°10'	88°10'	5-16-58	1505-1605	46	--	78	83	--	52/72' roller net
430	23°12'	88°13'	5-16-58	1625-1730	47	Co.S.	82	83	--	52/72' roller net
431	23°13'	89°00'	5-17-58	0550-0705	57	S.	79	83	--	52/72' roller net
432	23°10'	89°05'	5-17-58	0725-0825	60-66	S.	86	83	--	52/72' roller net
433	23°16'	89°10'	5-17-58	0910-1010	71-75	S.	82	83	--	52/72' roller net
434	23°22'	89°06'	5-17-58	1110-1240	80-85	S.	85	83	--	52/72' roller net
435	23°24'	89°01'	5-17-58	1420-1426	42	Co.S.	86	83	--	52/72' roller net
436	23°44'	88°12'	5-18-58	0600-0645	75-80	Co.	75	83	--	52/72' roller net
437	23°37'	87°58'	5-18-58	0905-1025	50-66	Co.S.	80	83	--	52/72' roller net
438	23°36'	87°54'	5-18-58	1050-1220	68	Co.S.	84	82	--	52/72' roller net
439	27°26'	79°18'	6-8-58	1900-2100	280	Co.S.	74	--	--	40' flat trawl
440	27°21'	79°15'	6-8-58	2200-2350	240	Co.S.	78	--	--	40' flat trawl
441	27°39'	79°15'	6-9-58	0240-0440	275-300	Co.S.	79	--	--	40' flat trawl
442	27°53'	79°09'	6-9-58	0705-0905	375	S.Co.	80	--	--	40' flat trawl
443	27°59'	78°56'	6-9-58	1150-1255	480	Co.S.	88	--	--	40' flat trawl
444	27°58'	78°41'	6-9-58	1620-1745	520	Co.S.	78	--	--	40' flat trawl
445	28°03'	78°44'	6-9-58	1925-2225	500-520	Co.S.	78	--	--	40' flat trawl
446	28°25'	78°24'	6-10-58	0340-0550	590	Co.S.	74	--	--	40' flat trawl
447	28°35'	79°38'	6-10-58	1535-1800	385	Co.S.	82	--	--	40' flat trawl
448	28°38'	79°38'	6-10-58	2020-2325	325-380	gy.M.	82	--	--	40' flat trawl
449	28°42'	79°48'	6-11-58	0055-0225	280-315	gy.M.	76	--	--	40' flat trawl
450	28°52'	79°46'	6-11-58	0405-0540	350	Co.S.	88	--	--	40' flat trawl
451	29°48'	79°07'	6-11-58	1450-1600	450	S.Co.	79	--	--	40' flat trawl
452	29°54'	79°02'	6-11-58	1740-2030	430	gy.S.	76	--	--	40' flat trawl
453	29°58'	78°26'	6-12-58	0215-0400	480	Co.S.	79	--	--	40' flat trawl
454	29°19'	79°58'	6-12-58	1455-1745	330	gy.M.	88	--	--	40' flat trawl
455	29°18'	79°59'	6-12-58	1825-2110	260	gy.M.	84	--	--	40' flat trawl
456	29°27'	80°06'	6-13-58	2340-0040	220	gy.M.	80	--	--	40' flat trawl
457	29°41'	80°05'	6-13-58	0200-0400	200	gy.M.	--	--	--	40' flat trawl
458	29°42'	80°10'	6-13-58	0515-0715	120	gy.M.	80	--	--	40' flat trawl
459	29°40'	80°13'	6-13-58	0750-0950	100	gy.M.	80	--	--	40' flat trawl
460	29°38'	80°14'	6-13-58	1025-1125	75	gy.M.	93	--	--	40' flat trawl
461	29°38'	80°16'	6-13-58	1205-1305	50	gy.M.Co.	92	--	--	40' flat trawl
462	30°20'	79°55'	6-13-58	1915-2200	300	Co.S.	80	--	--	40' flat trawl
463	29°59'	80°11'	6-15/16-58	2310-0210	180	gn.M.	--	--	--	40' flat trawl
464	29°55'	80°10'	6-16-58	0315-0615	200	M.	75	--	--	40' flat trawl
465	29°56'	80°12'	6-16-58	0900-1200	200	M.	79	--	--	65' flat trawl
466	29°57'	80°10'	6-16-58	1415-1720	--	M.	82	--	--	96/126' balloon net
467	29°50'	80°11'	6-16-58	1830-2130	180	--	--	--	--	96/126' balloon net
468	29°46'	80°12'	6-16/17-58	2335-0340	180	M.	79	--	--	65' balloon trawl
469	29°36'	80°10'	6-17-58	0350-0710	190-200	M.	80	--	--	65' balloon trawl
470	29°48'	80°12'	6-17-58	1020-1320	190-200	M.	92	--	--	65' balloon trawl
471	29°38'	80°09'	6-17-58	1415-1715	175-180	M.	85	--	--	65' balloon trawl
472	29°26'	80°08'	6-17-58	1810-2110	180-200	gn.M.	--	--	--	65' balloon trawl
473	30°01'	80°10'	6-18-58	0120-0420	180	M.	80	--	--	65' balloon trawl
474	29°52'	80°10'	6-18-58	0510-0810	200	--	--	--	--	65' balloon trawl
475	30°11'	80°10'	6-18-58	1130-1440	180	M.	82	--	--	65' balloon trawl
476	30°00'	80°10'	6-18-58	1535-1835	180	M.	85	--	--	65' balloon trawl
477	30°00'	80°10'	6-18-58	2020-2320	180	gn.M.	--	--	--	65' balloon trawl
478	29°53'	80°12'	6-19-58	0020-0420	180	M.	80	--	--	65' balloon trawl
479	29°44'	80°11'	6-19-58	0605-0905	180	--	84	--	--	65' balloon trawl
480	30°00'	80°12'	6-19-58	1205-1505	180	M.	84	--	--	65' balloon trawl
481	29°54'	80°11'	6-19-58	1545-1845	180	gn.M.	--	--	--	65' balloon trawl
482	30°00'	80°10'	6-19/20-58	2125-2425	180	--	78	--	--	65' balloon trawl
483	29°56'	80°10'	6-20-58	--	--	--	--	--	--	Dip station
484	30°04'	80°11'	6-20-58	0515-0815	180	--	--	--	--	80' balloon net
485	30°01'	80°10'	6-20-58	0910-1210	180	--	84	--	--	80' balloon net
486	29°56'	80°11'	6-20-58	1340-1640	180-200	--	84	--	--	80' balloon net
487	29°51'	80°11'	6-20-58	1740-2040	180	gn.M.	--	--	--	85' balloon trawl
488	29°46'	80°11'	6-20/21-58	2140-0040	180-190	gn.M.	78	--	--	80' balloon trawl
489	29°45'	80°10'	6-21-58	0340-0640	180-190	gn.M.	--	--	--	85' balloon trawl
490	29°49'	80°11'	6-21-58	0730-1030	180	gn.M.	--	--	--	85' balloon trawl
491	29°58'	80°11'	6-21-58	1325-1625	180-190	M.	84	--	--	85' balloon trawl
492	29°52'	80°11'	6-21-58	1710-2010	180	gn.M.	--	--	--	85' balloon trawl
493	29°55'	80°11'	6-22-58	0030-0330	180	M.	--	--	--	80' balloon trawl
494	29°52'	80°11'	6-22-58	0530-0830	180	M.	80	--	--	85' balloon trawl
495	29°43'	80°11'	6-22-58	0910-1215	180	gn.M.	--	--	--	85' balloon trawl
496	29°58'	80°11'	6-22-58	1455-1755	180	gn.M.	--	--	--	85' balloon trawl
497	29°40'	80°11'	6-22-58	1840-2140	180	gn.M.	--	--	--	85' balloon trawl
498	27°28'	80°14'	6-23-58	1820-1850	4-6	S.Sh.	--	--	--	40' flat trawl
499	27°25'	80°12'	6-23-58	1905-1935	5-7	S.Sh.	--	--	--	40' flat trawl
500	26°27'	80°01'	6-24-58	0335-0350	10-15	--	--	--	--	40' flat trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
501	24°53'	80°34'	6-27-58	2205-2305	14-15	--	--	--	--	40' flat trawl
502	24°50'	83°07'	6-27-58	2325-0025	15	S.Sh.	--	--	--	40' flat trawl
503	24°44'	80°47'	6-28-58	0155-0210	15	--	--	--	--	40' flat trawl
504	26°22'	82°05'	7-19-58	0712-0727	4	M.Sh.	83	84	--	2 quahog dredges
505	26°23'	82°05'	7-19-58	0742-0823	4-2½	M.S.	83	84	--	2 quahog dredges
506	26°24'	82°04'	7-19-58	0837-0920	2½	M.S.	84	84	--	2 quahog dredges
507	26°24'	82°02'	7-19-58	0935-1005	3	M.S.	85	84	--	2 quahog dredges
508	26°25'	81°58.5'	7-19-58	1020-1050	3	M.S.	85	84	--	2 quahog dredges
509	26°24'	81°55.5'	7-19-58	--	3	M.S.	85	84	--	2 quahog dredges
510	26°23'	81°55'	7-19-58	1205-1235	3	M.S.	84	84	--	2 quahog dredges
511	26°21'	81°54'	7-19-58	1305-1335	3	M.S.	85	84	86.45	2 quahog dredges
512	26°14'	81°49'	7-19-58	1435-1450	3	M.S.	84	84	--	2 quahog dredges
513	26°08'	81°50'	7-19-58	1520-1535	--	--	--	84	--	2 quahog dredges
514	26°07'	81°50'	7-19-58	1545-1600	3	--	--	84	--	2 quahog dredges
515	26°05.5'	81°48.5'	7-19-58	1620-1650	--	--	82	84	84	1 quahog dredge
516	25°56.6'	81°47'	7-19-58	1803-1820	4	--	--	84	--	1 quahog dredge
517	25°56.5'	81°46'	7-20-58	0605-0620	3	M.S.Sh.	80	84	--	2 quahog dredges
518	25°58'	81°46.5'	7-20-58	0635-0650	3	M.S.Sh.	--	84	--	2 quahog dredges
519	25°55.5'	81°45'	7-20-58	0710-0720	3	M.S.Sh.	84	84	--	2 quahog dredges
520	25°56'	81°46.5'	7-20-58	0735-0750	3	M.S.Sh.	90	84	--	2 quahog dredges
521	25°55.5'	81°44.5'	7-20-58	0800-0815	3	M.S.Sh.	96	84	86.45	2 quahog dredges
522	25°56.5'	81°46.5'	7-20-58	0832-0835	3	M.S.Sh.	96	84	--	2 quahog dredges
523	25°54.5'	81°44.5'	7-20-58	0910-0925	3	S.	84	84	--	2 quahog dredges
524	25°53.5'	81°45'	7-20-58	0945-1000	3	S.	--	84	--	2 quahog dredges
525	25°53.5'	81°43'	7-20-58	1010-1025	3	S.	82	84	--	2 quahog dredges
526	25°50.5'	81°43'	7-20-58	1040-1055	3-20	S.	90	84	86.45	2 quahog dredges
527	25°51'	81°46'	7-20-58	1115-1130	3.5-25	M.S.Sh.	88	84	--	1 quahog dredge
528	25°53'	81°46'	7-20-58	1205-1220	4	M.S.	92	84	--	2 quahog dredges
529	25°56'	81°46'	7-20-58	1250-1305	--	S.Sh.	90	84	--	2 quahog dredges
530	25°56.5'	81°46'	7-20-58	1315-1330	3½	S.Sh.	90	84	--	2 quahog dredges
531	25°56.5'	81°45.5'	7-20-58	1340-1400	3	M.Sh.	88	84	--	2 quahog dredges
532	25°56.5'	81°46'	7-20-58	1410-1435	--	M.Sh.	--	84	--	2 quahog dredges
533	25°58'	81°46.5'	7-20-58	1450-1510	3	M.Sh.	--	84	--	2 quahog dredges
534	26°01'	81°46.5'	7-20-58	1540-1555	3	M.Sh.	88	84	--	2 quahog dredges
535	26°03'	81°48'	7-20-58	1620-1635	3	M.S.Sh.	--	84	--	2 quahog dredges
536	26°25'	82°02'	7-21-58	0550-0605	3	M.Sh.	86	85	85.5	2 quahog dredges
537	26°25.5'	82°03'	7-21-58	0615-0630	3	M.Sh.	--	84	--	2 quahog dredges
538	26°25'	82°03.5'	7-21-58	0640-0655	3	M.Sh.	88	84	--	2 quahog dredges
539	26°25.5'	82°05.5'	7-21-58	0715-0730	3	M.Sh.	--	84	--	1 quahog dredge
540	26°25.5'	82°07.5'	7-21-58	0755-0810	3	S.	90	84	--	2 quahog dredges
541	26°29'	82°12'	7-21-58	0835-0850	3	S.	--	84	--	2 quahog dredges
542	26°33.5'	82°14'	7-21-58	0920-0935	3	S.	--	84	--	2 quahog dredges
543	26°42'	82°19.5'	7-21-58	1100-1115	22	S.	--	84	87.8	2 quahog dredges
544	26°54'	82°21'	7-21-58	1245-1300	20	S.Sh.	95	84	--	2 quahog dredges
545	26°55'	82°22'	7-21-58	1310-1325	20	S.Co.	94	84	--	2 quahog dredges
546	27°00.5'	82°25'	7-21-58	1410-1425	20	M.S.Sh.	--	84	--	2 quahog dredges
547	27°01'	82°25.5'	7-21-58	1440-1510	20	M.S.Sh.	--	84	--	2 quahog dredges
548	27°01'	82°25.5'	7-21-58	1520-1550	20	M.S.Sh.	--	84	--	2 quahog dredges
549	27°41.5'	82°47'	7-22-58	0600-0630	22	Co.S.	84	87	87	2 quahog dredges
550	27°43.5'	82°47'	7-22-58	0645-0700	20	--	84	87	--	2 quahog dredges
551	27°43.5'	82°46.5'	7-22-58	0720-0740	20	S.M.Sh.	--	87	--	2 13-tooth quahog dredges
552	27°42.5'	82°46.5'	7-22-58	0755-0810	20	M.S.Sh.	85	87	--	2 13-tooth quahog dredges
553	27°42'	82°46'	7-22-58	0820-0835	20	M.S.Sh.	86	87	87.8	2 13-tooth quahog dredges
554	27°43'	82°47.5'	7-22-58	0905-0925	--	M.S.Sh.	--	87	--	2 13-tooth quahog dredges
555	27°42'	82°47.5'	7-23-58	0840-0855	20	M.S.Sh.	--	87	--	1 13-tooth quahog dredge
556	27°43.5'	82°46.5'	7-23-58	0910-0925	--	M.S.Sh.	88	87	--	2 13-tooth quahog dredges
557	27°43.5'	82°46.5'	7-23-58	0940-0955	20	M.S.Sh.	--	88.7	88.25	2 13-tooth quahog dredges
558	27°43.5'	82°46.5'	7-23-58	1005-1020	20	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
559	27°42'	82°46'	7-23-58	1035-1050	20	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
560	27°42'	82°47.5'	7-23-58	1100-1115	25	M.S.Sh.	90	88	--	1 13-tooth quahog dredge
561	27°02'	82°26'	7-23-58	1710-1715	--	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
562	27°02'	82°26'	7-24-58	0515-0530	22	M.S.Sh.	82	89	89	1 13-tooth quahog dredge
563	27°03'	82°27'	7-24-58	0535-0540	22	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
564	27°08'	82°29.5'	7-24-58	0620-0635	22	M.S.Sh.	--	88	--	1 13-tooth quahog dredge
565	27°12.5'	82°31.5'	7-24-58	0725-0740	19	S.Sh.	--	88	--	1 13-tooth quahog dredge
566	27°15'	82°34.5'	7-24-58	0810-0825	18	S.	--	88	--	1 13-tooth quahog dredge
567	27°20'	82°36.5'	7-24-58	0850-0905	18	hrd.S.	92	88	--	1 13-tooth quahog dredge
568	27°23.5'	82°39'	7-24-58	0940-0955	19	--	92	88	--	1 13-tooth quahog dredge
569	27°30'	82°43'	7-24-58	1035-1050	22	hrd.S.	92	88	--	1 13-tooth quahog dredge
570	27°28.5'	82°43.5'	7-24-58	--	--	hrd.S.	95	--	--	2 13-tooth quahog dredges
571	28°09'	82°53'	7-24-58	1550-1605	--	S.	--	88.7	87.2	1 13-tooth quahog dredge
572	28°13'	82°53'	7-24-58	1700-1715	23	S.	--	88.7	--	1 13-tooth quahog dredge
573	29°06'	84°47'	7-25-58	0630-0645	18	S.Sh.	--	84	--	8' scallop dredge
574	29°10'	84°56'	7-25-58	0740-0810	15	S.	--	84	--	8' scallop dredge
575	29°24'	85°01'	7-25-58	1025-1055	10	gy.S.	77	84	--	8' scallop dredge
576	29°25'	84°58'	7-25-58	1110-1155	10	S.	88	84	--	8' scallop dredge
577	29°26'	84°54'	7-25-58	1200-1230	10	S.	85	84	78.6	8' scallop dredge
578	29°28'	84°53'	7-25-58	1240-1310	10	S.	84	84	--	8' scallop dredge
579	29°29'	84°49'	7-25-58	1320-1350	10	S.	--	84	--	8' scallop dredge
580	29°30'	84°46'	7-25-58	1405-1435	10	S.	--	84	--	8' scallop dredge
581	29°31'	84°44'	7-25-58	1445-1515	10	Co.Sp.	85	84	--	8' scallop dredge
582	29°33'	84°39'	7-25-58	1525-1555	10	--	--	84	--	8' scallop dredge
583	29°25'	84°37'	7-25-58	1640-1710	15	gy.S.	85	84	--	8' scallop dredge
584	29°24'	84°40'	7-25-58	1730-1800	15	gy.S.	84	84	--	8' scallop dredge
585	29°21'	84°41'	7-25-58	1810-1840	15	S.	--	84	--	8' scallop dredge
586	29°22'	84°44'	7-26-58	0535-0605	15	S.	82	84	--	8' scallop dredge
587	29°21'	84°49'	7-26-58	0650-0730	15	S.	82	84	--	8' scallop dredge
588	29°15'	84°55'	7-26-58	0810-0840	15	S.	85	84	--	8' scallop dredge
589	29°10'	85°00'	7-26-58	0925-0940	15	S.	--	84	--	8' scallop dredge
590	29°10'	85°07'	7-26-58	1025-1055	15	S.	88	84	--	8' scallop dredge
591	29°13'	85°11'	7-26-58	1140-1210	15	S.	88	84	--	8' scallop dredge
592	29°15'	85°17'	7-26-58	1255-1310	17	S.	--	84	--	8' scallop dredge
593	29°24'	85°21'	7-26-58	1410-1420	15	S.	86	84	--	8' scallop dredge
594	29°29'	85°20'	7-26-58	1535-1550	13	S.	--	85	--	8' scallop dredge
595	29°27'	85°30'	7-26-58	1820-1835	10	S.	86	85	--	8' scallop dredge
596	29°28'	85°32'	7-27-58	0530-0600	11-8	S.	88	85	--	8' scallop dredge
597	29°29'	85°36'	7-27-58	0625-0640	10	gy.S.	88	85	--	8' scallop dredge
598	29°29'	85°36'	7-27-58	0725-0740	10	gy.S.	88	85	--	8' scallop dredge
599	29°32'	85°38'	7-27-58	0830-0845	15	gy.S.	90	85	--	8' scallop dredge
600	29°36'	85°32'	7-27-58	0830-0845	10	gy.S.	90	85	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
601	29°42'	85°31'	7-27-58	0925-0940	10	gy.S.	--	85	--	8' scallop dredge
602	29°44.5'	85°28.5'	7-27-58	1010-1040	10	gy.S.	--	85	--	8' scallop dredge
603	29°46.5'	85°29.5'	7-27-58	--	10	S.	--	85	--	8' scallop dredge
604	29°48'	85°29.5'	7-27-58	1130-1200	6	S.	90	85	--	8' scallop dredge
605	29°48.5'	85°30.5'	7-27-58	1230-1300	10	S.	--	85	--	8' scallop dredge
606	29°45.5'	85°31'	7-27-58	1335-1350	11	S.	--	85	--	8' scallop dredge
607	29°44'	85°30'	7-27-58	1405-1435	11	S.	--	85	--	8' scallop dredge
608	29°42.5'	85°37'	7-27-58	1530-1600	15	gy.S.	--	85	--	8' scallop dredge
609	29°49'	85°37'	7-27-58	1650-1720	11	gy.S.	--	85	--	8' scallop dredge
610	29°48.5'	85°32'	7-28-58	0535-0550	12	gy.S.	82	--	83.5	8' scallop dredge
611	29°49.5'	85°32'	7-28-58	0620-0625	12	S.	88	85	--	8' scallop dredge
612	29°51'	85°35'	7-28-58	0710-0725	13	S.	90	85	--	8' scallop dredge
613	29°28'	85°36.5'	7-28-58	0830-0845	10	S.	--	85	--	8' scallop dredge
614	29°56'	85°41'	7-28-58	0930-0945	11	S.	--	85	--	8' scallop dredge
615	29°57'	85°36.5'	7-28-58	1010-1025	--	S.	--	85	--	8' scallop dredge
616	29°54.5'	85°43'	7-28-58	1130-1200	15	gy.S.	--	85	--	8' scallop dredge
617	29°49'	85°42'	7-28-58	1235-1305	13	S.	--	85	--	8' scallop dredge
618	29°49.5'	85°33.5'	7-28-58	1335-1355	12	S.	--	85	--	8' scallop dredge
619	29°53'	85°35'	7-28-58	1440-1510	12	S.	--	85	--	8' scallop dredge
620	29°58.5'	85°37'	7-28-58	1550-1620	11	S.	--	85	--	8' scallop dredge
621	30°02.5'	85°43'	7-28-58	1710-1750	11	S.	--	85	--	8' scallop dredge
622	29°41'	85°22.5'	7-29-58	0835-0850	20	S.	--	--	--	Quahog dredge
623	29°40'	85°22'	7-29-58	0900-0915	20	S.	--	--	--	2 quahog dredges
624	29°43'	85°23.5'	7-29-58	0950-1015	20	S.	92	--	--	Quahog dredge
625	29°48'	85°25'	7-29-58	1040-1055	20	S.	92	--	--	Quahog dredge
626	29°49.5'	85°31.5'	7-29-58	1205-1235	--	S.	--	85	--	8' scallop dredge
627	29°51'	85°32.5'	7-29-58	1245-1330	11	S.	--	85	--	8' scallop dredge
628	29°58'	85°33'	7-29-58	1505-1520	20	S.	--	84	--	Quahog dredge
629	30°04.5'	85°40'	7-29-58	1645-1715	--	S.	--	84	--	Quahog dredge
630	30°05'	85°42.5'	7-29-58	--	20	S.	--	84	--	Quahog dredge
631	30°10'	88°49.5'	7-30-58	0550-0620	20	S.	82	84	--	Quahog dredge
632	30°11.5'	85°50.5'	7-30-58	0625-0655	21	S.	--	84	--	Quahog dredge
633	30°13'	85°53'	7-30-58	0700-0730	--	S.	--	84	--	Quahog dredge
634	30°14'	85°55.5'	7-30-58	0740-0810	20	S.	--	85	--	Quahog dredge
635	30°15'	85°57'	7-30-58	0820-0850	20	S.	--	84	--	Quahog dredge
636	30°16'	85°59.5'	7-30-58	0900-0930	20	S.	--	84	--	Quahog dredge
637	30°16.5'	86°02'	7-30-58	0940-1005	20	S.	--	84	--	Quahog dredge
638	30°17.5'	86°04'	7-30-58	1015-1120	20	S.	--	84	--	Quahog dredge
639	30°21'	86°14'	7-30-58	1215-1245	20	S.	--	84	--	Quahog dredge
640	30°22'	86°22'	7-30-58	1320-1335	--	S.	--	83	--	Quahog dredge
641	30°22'	86°21.5'	7-30-58	1340-1355	20	S.	--	84	--	Quahog dredge
642	30°22.5'	86°24.5'	7-30-58	1420-1450	20	S.	--	84	--	Quahog dredge
643	30°22.5'	86°25.5'	7-30-58	1505-1530	20	S.	--	--	--	Quahog dredge
644	30°23'	86°32.5'	7-30-58	1600-1630	20	S.	--	--	--	Quahog dredge
645	30°23'	86°37'	7-30-58	1655-1725	20	S.	--	84	--	Quahog dredge
646	30°23'	86°39.5'	7-30-58	1735-1805	25	S.	--	84	--	Quahog dredge
647	30°21'	86°41.5'	7-31-58	0535-0610	11	S.	86	--	--	8' scallop dredge
648	30°18.5'	86°37'	7-31-58	0635-0710	11	S.	86	83	--	8' scallop dredge
649	30°17.5'	86°30.5'	7-31-58	0735-0805	13	S.	--	83	--	8' scallop dredge
650	30°18.5'	86°27.5'	7-31-58	0835-0855	13	S.	--	83	--	8' scallop dredge
651	30016'	86°26.5'	7-31-58	0930-1000	15	S.	--	84	--	8' scallop dredge
652	30°08'	86°23.5'	7-31-58	1055-1125	20	S.	--	83	--	8' scallop dredge
653	30°08'	86°25'	7-31-58	1135-1220	20	S.	--	84	--	8' scallop dredge
654	30°08'	86°30'	7-31-58	1250-1320	--	S.	--	85	--	8' scallop dredge
655	30°08'	86°34.5'	7-31-58	1355-1425	20	gy.S.	--	85	--	8' scallop dredge
656	30°11.5'	86°38'	7-31-58	1500-1545	15	gy.S.	--	85	--	8' scallop dredge
657	30°12'	86°43'	7-31-58	1625-1655	15	gy.S.	--	85	--	8' scallop dredge
658	30°10'	86°44'	7-31-58	--	15	gy.S.	--	85	--	8' scallop dredge
659	30°13'	86°58'	8-1-58	0550-0620	14	gy.S.	85	84	--	8' scallop dredge
660	30°07'	87°01'	8-1-58	0650-0720	16	gy.S.	85	84.5	--	8' scallop dredge
661	30°05'	87°03'	8-1-58	0750-0820	19	gy.S.	--	84.5	--	8' scallop dredge
662	30°02.5'	87°07'	8-1-58	0850-0920	20	gy.S.	--	85	--	8' scallop dredge
663	29°59'	87°11'	8-1-58	0950-1020	20	gy.S.	--	85	--	8' scallop dredge
664	29°58.5'	87°15.5'	8-1-58	1050-1120	20	gy.S.	--	87	--	8' scallop dredge
665	30°03'	87°23.5'	8-1-58	1205-1235	15	gy.S.	--	87	--	8' scallop dredge
666	30°05'	87°25'	8-1-58	1310-1340	14	gy.S.	--	87	--	8' scallop dredge
667	30°08'	87°28'	8-1-58	1415-1445	14	gy.S.	--	87	--	8' scallop dredge
668	30°12'	87°31'	8-1-58	1520-1550	12	gy.S.	--	88	--	8' scallop dredge
669	30°10'	87°35'	8-1-58	1625-1710	8	gy.S.	--	88	--	8' scallop dredge
670	30°08'	87°39'	8-1-58	1730-1800	--	gy.S.	--	87	--	8' scallop dredge
671	30°09'	88°43'	8-2-58	0530-0600	8	gy.S.	--	85	--	8' scallop dredge
672	30°08'	87°48'	8-2-58	0620-0650	9	gy.S.	--	85	--	8' scallop dredge
673	30°06.5'	87°49'	8-2-58	0720-0750	9	gy.S.	85	85	--	8' scallop dredge
674	30°01'	87°55'	8-2-58	0825-0855	14	gy.S.	84	85	--	8' scallop dredge
675	30°00'	87°58'	8-2-58	0920-0950	16	gy.S.	--	85	--	8' scallop dredge
676	29°57.5'	88°05'	8-2-58	1035-1105	16	gy.S.	--	86	--	8' scallop dredge
677	29°58'	88°08'	8-2-58	1130-1200	17	gy.S.	--	--	--	8' scallop dredge
678	29°58.5'	88°13'	8-2-58	1230-1300	--	gy.S.	--	86	--	8' scallop dredge
679	29°55'	88°17'	8-2-58	1335-1405	18	gy.S.	92	86	--	8' scallop dredge
680	29°53'	88°21'	8-2-58	--	18	gy.S.	--	86	--	8' scallop dredge
681	29°51'	88°28'	8-2-58	1535-1605	17	gy.S.	--	86	--	8' scallop dredge
682	29°50'	88°33'	8-2-58	1630-1700	15	gy.S.	--	86	--	8' scallop dredge
683	29°48'	88°36'	8-2-58	1725-1800	12	gy.S.	--	--	--	8' scallop dredge
684	30°44'	88°51'	8-3-58	0515-0525	20	hrd.S.	--	--	--	Quahog dredge
685	30°45'	88°50'	8-3-58	0530-0545	18	M.	--	85	--	Quahog dredge
686	29°47'	88°50'	8-3-58	0555-0610	20	S.M.	84	85	--	Quahog dredge
687	29°48'	88°50'	8-3-58	0620-0640	20	S.	--	85	--	Quahog dredge
688	29°48.5'	88°49.5'	8-3-58	0650-0705	--	S.M.	--	85	--	Quahog dredge
689	29°49'	88°49.5'	8-3-58	0715-0730	20	S.	--	85	--	Quahog dredge
690	29°50'	88°50'	8-3-58	0745-0800	20	S.	88	85	--	Quahog dredge
691	29°51'	88°47.5'	8-3-58	0810-0825	20	S.	--	--	--	Quahog dredge
692	29°52'	88°47.5'	8-3-58	0835-0850	20	S.	--	85	--	Quahog dredge
693	29°54'	88°47.5'	8-3-58	0905-0920	20	S.	88	85	--	Quahog dredge
694	29°55'	88°47.5'	8-3-58	0930-0945	20	S.M.	88	83	--	Quahog dredge
695	29°56'	88°47.5'	8-3-58	0955-1010	20	S.	--	83	--	Quahog dredge
696	29°57.5'	88°48'	8-3-58	1015-1030	20	S.	--	83	--	Quahog dredge
697	29°58'	88°48.5'	8-3-58	1035-1050	22	S.	--	83	--	Quahog dredge
698	29°59'	88°48'	8-3-58	1100-1115	20	S.	90	83	--	Quahog dredge
699	30°00'	88°48'	8-3-58	1150-1205	22	S.	90	85	--	Quahog dredge
700	30°01.5'	88°49'	8-3-58	1210-1225	22	S.	--	85	--	Quahog dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
701	30°02.5'	88°50'	8-3-58	1230-1245	22	S.	90	86	--	Quahog dredge
702	30 03'	88 51'	8-3-58	--	22	S.	--	86	--	Quahog dredge
703	30°14'	88°41'	8-3-58	1510-1525	22	S.M.	76	79	--	Quahog dredge
704	30°13'	88°40'	8-3-58	1530-1545	22	S.M.	--	79	--	Quahog dredge
705	30°13'	88°38'	8-3-58	1555-1615	22	S.	--	79	--	Quahog dredge
706	29°03'	85°20'	8-31-58	0830-0940	33-30	Co.S.	86	83	--	52' roller trawl
707	29°00'	85°25'	8-31-58	--	30	Co.S.	88	83	--	52' roller trawl
708	29°02'	85°17'	8-31-58	1220-1320	30-35	Co.S.	88	84	--	52' roller trawl
709	28°55'	85°10'	8-31-58	1435-1540	31-30	Co.S.	88	84	--	52' roller trawl
710	28°50'	84°57'	8-31-58	1720-1830	27	Co.S.	88	84	--	52' roller trawl
711	28°09'	84°09'	9-1-58	0550-0700	25	Co.S.	84	86	--	52' roller trawl
712	28°13'	84°09'	9-1-58	0725-0840	25-22	--	84	84	--	52' roller trawl
713	28°14'	84°02'	9-1-58	0930-1030	21	--	84	84	--	52' roller trawl
714	28 12'	83°50'	9-1-58	1145-1245	22-20	Co.S.	88	84	--	52' roller trawl
715	28°10'	83°44'	9-1-58	1330-1430	20	Co.S.	88	84	--	52' roller trawl
716	28°10'	83°39'	9-1-58	1455-1555	19-17	Co.S.	88	84	--	52' roller trawl
717	28°07'	83°35'	9-1-58	1640-1725	17	Co.S.	88	85	--	52' roller trawl
718	28°00'	83°27'	9-1-58	1840-1940	17	Co.S.	86	84	--	52' roller trawl
719	27°56'	83°23'	9-2-58	0640-0740	16	Co.S.	82	86	--	52' roller trawl
720	27°56'	83°17'	9-2-58	0830-0930	13	Co.S.	86	86	--	52' roller trawl
721	27 56'	83°10'	9-2-58	1025-1125	10	Co.S.	90	87	--	52' roller trawl
722	27°51'	83°05'	9-3-58	1210-1310	9	Co.S.	90	87	--	52' roller trawl
723	27°45'	83°01'	9-3-58	1620-1720	8	--	84	87	--	52' roller trawl
724	27°44'	83°15'	9-3-58	0545-0640	15	--	82	83	--	52' roller trawl
725	27°40'	83°17'	9-3-58	0705-0805	15	Co.S.	86	84	--	52' roller trawl
726	27°12'	83°14'	9-5-58	1400-1500	21	S.Sh.	95	86	--	52' roller trawl
727	27°05'	83°19'	9-5-58	1553-1653	24	S.Sh.	95	86	--	52' roller trawl
728	27°02'	83°22'	9-5-58	1730-1830	24-27	S.Sh.	82	86	--	52' roller trawl
729	26°58'	83°28'	9-5-58	1925-2025	30-31	S.Sh.	80	85	--	52' roller trawl
730	26°57'	83°31'	9-5-58	2050-2150	31	S.Sh.	80	--	--	52' roller trawl
731	26°55'	83°39'	9-6-58	0532-0632	34-37	--	84	83	--	52' roller trawl
732	26°52'	83°43'	9-6-58	0715-0815	40	--	85	85	--	52' roller trawl
733	26 43'	83 47'	9-6-58	0915-1015	45-48	S.Sh.	84	85	--	52' roller trawl
734	26 43'	83 53'	9-6-58	1040-1150	49	S.Sh.	86	84	--	52' roller trawl
735	26°34'	83 37'	9-6-58	1430-1530	35	S.Sh.	90	86	--	52' roller trawl
736	26°35'	83°31'	9-6-58	1625-1725	34	Co.Sh.	88	85	--	52' roller trawl
737	26°31'	83 21'	9-6-58	1820-1920	30	S.Sp.	86	85	--	52' roller trawl
738	26 29'	83 11'	9-6-58	2055-2155	28-27	--	84	85	--	52' roller trawl
739	26°25'	83°09'	9-7-58	0535-0630	25-23½	--	85	86	--	52' roller trawl
740	26°22'	83°07'	9-7-58	0710-0800	26-24	Co.Sh.	85	86	--	52' roller trawl
741	26°24.5'	83°02'	9-7-58	0915-0950	24	S.Sp.	85	86	--	52' roller trawl
742	26°21'	82 59'	9-7-58	1040-1120	23	S.Sp.	86	86	--	52' roller trawl
743	26°21'	82°55'	9-7-58	1218-1305	22-20	S.Sp.	92	86	--	52' roller trawl
744	26°20'	82 50'	9-7-58	1343-1443	20	S.Sh.	92	86	--	52' roller trawl
745	26°15'	82°44'	9-7-58	1545-1615	19	hrd.S.	96	86	--	52' roller trawl
746	25 57'	83 05'	9-8-58	0530-0625	29	S.Co.	84	86	--	52' roller trawl
747	25°53.5'	83°04.5'	9-8-58	0710-0810	31	S.Co.	84	85	--	52' roller trawl
748	25°39'	83°01.5'	9-8-58	0945-1015	30	S.Sp.	91	85	--	52' roller trawl
749	25°29'	83°00'	9-8-58	1150-1220	30-28	Co.Sh.	94	87	--	52' roller trawl
750	25°25'	82°57'	9-8-58	1245-1345	28-30	S.Co.	90	87	--	52' roller trawl
751	25°31'	85°02'	9-8-58	1410-1510	31	Co.S.	94	87	--	52' roller trawl
752	25°22'	85°08'	9-8-58	1610-1720	34	Co.S.	88	86	--	52' roller trawl
753	25°21'	85°12'	9-8-58	1807-1907	35	Co.S.	84	86	--	52' roller trawl
754	25°27'	85°08'	9-9-58	--	32	S.Co.	84	86	--	52' roller trawl
755	25°19'	85°05'	9-9-58	0830-0930	32-31	S.Sh.	90	84	--	52' roller trawl
756	25°11'	82°53'	9-9-58	--	27	S.Sh.	89	86	--	52' roller trawl
757	25°06'	82°50'	9-9-58	1245-1345	26	Co.S.	90	87	--	52' roller trawl
758	25°05'	83°00'	9-9-58	1458-1558	30	--	88	84	--	52' roller trawl
759	25°04'	85°08'	9-9-58	1652-1752	33-35	S.Sh.	84	84	--	52' roller trawl
760	25°03'	85°17'	9-9-58	1900-2000	37	S.	84	84	--	52' roller trawl
761	25°30'	85°02'	9-10-58	0530-0630	32	Sh.Co.	83	83	--	52' roller trawl
762	25°29'	85°00'	9-10-58	0700-0810	31	S.	86	85	--	52' roller trawl
763	25°22'	82°55'	9-10-58	--	30	S.	86	85	--	52' roller trawl
764	25°23'	82°53'	9-10-58	1030-1100	29	S.Co.	82	85	--	52' roller trawl
765	25°25'	82°52'	9-10-58	1125-1225	26	S.	86	85	--	52' roller trawl
766	25°27'	82°52.5'	9-10-58	1310-1410	26	S.Co.	92	85	--	52' roller trawl
767	25°35'	83°05'	9-10-58	--	28	S.Sh.	88	86	--	52' roller trawl
768	25°38'	85°07'	9-10-58	1705-1815	29	S.	82	85	--	52' roller trawl
769	26°20'	85°52'	9-11-58	0540-0640	59-65	Co.Sh.	85	85	--	52' roller trawl
770	26°27'	84°02'	9-11-58	0838-0940	74-80	S.	86	85	--	52' roller trawl
771	26°31.5'	84°13.5'	9-11-58	1110-1210	90	S.Sh.	88	86	--	52' roller trawl
772	26 51'	83 49'	9-11-58	1628-1735	36	S.Sh.	90	85	--	52' roller trawl
773	26°54'	85°42'	9-11-58	1830-1930	32	S.Sh.	82	85	--	52' roller trawl
774	27°05'	85°41'	9-11-58	2105-2205	30	S.Sh.	82	85	--	52' roller trawl
775	27°42'	84°11'	9-12-58	0540-0640	30	S.Sh.	85	86	--	52' roller trawl
776	27°42'	84 07'	9-12-58	0750-0850	34-33	Co.S.	86	85	--	52' roller trawl
777	27°40'	83 53'	9-12-58	1025-1125	26	S. Sh.	85	85	--	52' roller trawl
778	27°39'	83°39.5'	9-12-58	1310-1410	24	Co.S.	86	85	--	52' roller trawl
779	28°24'	84°26'	9-15-58	0542-0642	30-29	S.	82	84	--	52' roller trawl
780	28°31.5'	84°25'	9-15-58	0750-0850	22	S.	86	85	--	52' roller trawl
781	28°38.5'	84°28'	9-15-58	0940-1040	20	S.	86	85	--	52' roller trawl
782	28°48'	84°33'	9-15-58	1150-1250	21	S.	88	85	--	52' roller trawl
783	28°52'	84°39'	9-15-58	1355-1440	21	M.	92	86	--	52' roller trawl
784	29°53'	87 10'	9-16-58	0550-0650	40-45	Co.S.	84	86	--	52' roller trawl
785	29 50'	87 18'	9-16-58	0800-0825	40	M.	84	85	--	52' roller trawl
786	29°46'	87 21'	9-16-58	1305-1405	45-40	gy.S.	88	86	--	52' roller trawl
787	29°42'	87 23'	9-16-58	1457-1600	38	M.	88	83	--	52' roller trawl
788	29°39'	87°27'	9-16-58	1655-1755	35	M.	85	84	--	52' roller trawl
789	29°38'	87°37'	9-16-58	1840-1940	25	M.	84	85	--	52' roller trawl
790	29°42'	87°49'	9-17-58	0535-0635	20	S.	82	84	--	52' roller trawl
791	29°39'	87°47.5'	9-17-58	--	20	M.	85	83	--	52' roller trawl
792	29°37'	87°56.5'	9-17-58	0920-1020	22	M.	85	83	--	52' roller trawl
793	29°35.5'	88°05'	9-17-58	1100-1200	20	M.	88	84	--	52' roller trawl
794	29 40.5'	88 14'	9-17-58	1305-1350	20	M.	89	84	--	52' roller trawl
795	29°44'	88°18'	9-17-58	1425-1525	19	M.	90	85	--	52' roller trawl
796	29°47'	88°15'	9-17-58	--	20	M.	88	85	--	52' roller trawl
797	28°23'	90°53.5'	9-20-58	0645-0745	23-25	M.	84	86	--	52' roller trawl
798	28°18'	90°58.5'	9-20-58	0905-1005	34	M.	85	85	--	52' roller trawl
799	28°14'	91 05'	9-20-58	1135-1235	45	M.S.	87	86	--	52' roller trawl
800	28 14'	91 14'	9-20-58	--	45-42	M.S.	87	86	--	52' roller trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
801	28°16'	91°26'	9-20-58	1625-1740	40-36	M.	84	84	--	52' roller trawl
802	28°02'	93°59'	9-21-58	1430-1530	42	M.	85	83	--	52' roller trawl
803	27°57'	94°00'	9-21-58	1555-1655	48	M.	85	83	--	52' roller trawl
804	28°02'	94°03'	9-21-58	1720-1830	48	M.	84	82	--	52' roller trawl
805	27°56.5'	95°15'	9-22-58	0620-0720	38	S.M.	82	82	--	52' roller trawl
806	27°56'	95°18'	9-22-58	0750-0850	44-46	M.	85	83	--	52' roller trawl
807	27°55'	95°21'	9-22-58	0915-1015	46	M.	85	84	--	52' roller trawl
808	27°54'	95°24'	9-22-58	1040-1155	40	M.	86	85	--	52' roller trawl
809	27°51'	95°27'	9-22-58	1218-1320	48	M.	86	85	--	52' roller trawl
810	27°48'	95°29'	9-22-58	1345-1445	50-42	M.S.	85	84	--	52' roller trawl
811	27°49'	95°34'	9-22-58	1510-1640	42	M.	85	85	--	52' roller trawl
812	27°46'	95°37'	9-22-58	1705-1830	48	M.	86	83	--	52' roller trawl
813	27°51'	95°53'	9-23-58	0555-0725	36-43	M.S.	84	83	--	52' roller trawl
814	27°45'	95°54.5'	9-23-58	0745-0915	44	M.S.	85	83	--	52' roller trawl
815	27°41'	97°57'	9-23-58	0950-1105	50-54	M.	86	83	--	52' roller trawl
816	27°42'	96°02'	9-23-58	1135-1305	50	M.	85	84	--	52' roller trawl
817	27°42'	96°08'	9-23-58	1330-1500	52	M.	87	85	--	52' roller trawl
818	27°41.5'	96°12'	9-23-58	1525-1655	46	M.	88	85	--	52' roller trawl
819	27°44'	96°07'	9-23-58	1717-1847	48	M.	86	84	--	52' roller trawl
820	27°42'	96°05'	9-24-58	0555-0725	52	M.S.	82	84	--	52' roller trawl
821	27°44'	96°04'	9-24-58	0745-0915	42	M.	88	85	--	52' roller trawl
822	27°43'	96°01'	9-24-58	0945-1100	44	M.	86	85	--	52' roller trawl
823	27°42'	95°58'	9-24-58	1125-1255	45	M.	88	83	--	52' roller trawl
824	27°44'	95°54'	9-24-58	1315-1445	40	M.	88	83	--	52' roller trawl
825	27°43.5'	95°50'	9-24-58	1508-1638	44	M.	88	83	--	52' roller trawl
826	27°45'	95°48'	9-24-58	1700-1720	42	M.	86	83	--	52' roller trawl
827	27°50'	95°49'	9-25-58	0545-0705	34	M.S.	82	84	--	52' roller trawl
828	27°45'	95°47'	9-25-58	0800-0930	42	M.	85	85	--	52' roller trawl
829	27°45'	95°44'	9-25-58	0950-1120	42	M.	86	86	--	52' roller trawl
830	27°46'	95°40'	9-25-58	1140-1310	42-44	M.	88	86	--	52' roller trawl
831	27°45'	95°42'	9-25-58	1415-1545	45	M.	88	86	--	52' roller trawl
832	27°46'	95°39'	9-25-58	1610-1750	45	M.	85	83	--	52' roller trawl
833	27°47'	95°36'	9-25-58	1810-1910	44	M.	85	83	--	52' roller trawl
834	28°02'	95°12'	9-26-58	0550-0720	30	M.S.	78	85	--	52' roller trawl
835	28°02'	95°16'	9-26-58	0745-0915	32	M.	83	83	--	52' roller trawl
836	28°02'	95°02'	9-26-58	0935-1105	35	M.	91	85	--	52' roller trawl
837	28°03'	94°58'	9-26-58	1125-1240	34	M.	91	85	--	52' roller trawl
838	28°03.5'	--	9-26-58	1300-1400	32	M.	94	85	--	52' roller trawl
839	28°04'	94°50'	9-26-58	1418-1518	32-33	M.	94	84	--	52' roller trawl
840	28°04.5'	94°47'	9-26-58	1538-1638	32	M.	90	85	--	52' roller trawl
841	21°24'	91°51'	11-16-58	0845-1015	25	S.	82	81	--	54/74' roller trawl
842	21°24'	91°28'	11-16-58	1040-1210	25	S.	84	83	--	54/74' roller trawl
843	20°01'	91°55'	11-17-58	0650-0820	36	M.S.	80	83	--	54/74' roller trawl
844	20°01'	91°47'	11-17-58	0840-0935	30	M.S.	82	83	--	54/74' roller trawl
845	19°51'	91°46'	11-17-58	1010-1140	28	Cl.S.	85	83	--	54/74' roller trawl
846	19°55'	91°44'	11-17-58	1205-1335	25	Cl.S.	82	83	--	54/74' roller trawl
847	19°58'	91°43'	11-17-58	1355-1455	22	Cl.S.	82	83	--	54/74' roller trawl
848	20°01'	91°59'	11-17-58	1520-1620	21-24	Cl.S.	84	83	--	54/74' roller trawl
849	20°04'	92°00'	11-17-58	1640-1840	24	Cl.S.	82	83	--	54/74' roller trawl
850	20°04'	91°52'	11-18-58	0645-0745	26	Cl.S.	82	83	--	54/74' roller trawl
851	20°07'	91°47'	11-18-58	0810-0940	26	M.S.Sp.	83	83	--	54/74' roller trawl
852	20°06'	91°51'	11-18-58	1000-1150	24	M.Sp.S.	84	83	--	54/74' roller trawl
853	20°07'	91°54'	11-18-58	1225-1330	24	M.Sp.S.	84	83	--	54/74' roller trawl
854	20°05'	91°51'	11-18-58	1525-1655	24	M.Sp.S.	86	83	--	54/74' roller trawl
855	20°06'	91°50'	11-18-58	1720-1845	24	M.Sp.S.	82	83	--	54/74' roller trawl
856	20°05'	91°59'	11-19-58	0630-0800	32	M.Sp.S.	80	83	--	54/74' roller trawl
857	20°07'	91°56'	11-19-58	0825-0955	27	M.Sp.S.	82	83	--	54/74' roller trawl
858	20°03'	91°56'	11-19-58	1020-1150	26	M.Sp.S.	84	83	82.4	54/74' roller trawl
859	20°05'	91°54'	11-19-58	1215-1345	26	M.Sp.S.	84	83	82.4	54/74' roller trawl
860	20°01'	91°54'	11-19-58	1415-1515	26	M.Sp.S.	90	83	--	54/74' roller trawl
861	19°58'	91°57'	11-19-58	1550-1710	28	M.S.	84	83	--	54/74' roller trawl
862	20°00'	91°47'	11-21-58	0715-0830	26	M.Sp.S.	80	83	--	80/116' roller trawl
863	20°00'	91°50'	11-21-58	0855-1000	26	M.Sp.S.	80	83	82	80/116' roller trawl
864	19°56'	91°46'	11-21-58	1025-1200	26	M.S.	87	83	--	80/116' roller trawl
865	19°56'	91°42'	11-21-58	1240-1410	23	M.S.	84	83	--	80/116' roller trawl
866	20°05'	91°54'	11-21-58	1555-1655	26	M.S.	84	83	--	80/116' roller trawl
867	20°07'	91°55'	11-21-58	1720-1850	26	M.Sp.S.	79	83	--	80/116' roller trawl
868	20°03'	91°52'	11-22-58	0715-0845	26	M.Sp.S.	77	83	--	80/116' roller trawl
869	20°03'	91°52'	11-22-58	0915-1040	26	M.Sp.S.	77	82	--	80/116' roller trawl
870	20°03'	91°52'	11-22-58	1230-1340	26	M.Sp.S.	76	82	--	80/116' roller trawl
871	20°03'	91°52'	11-22-58	1415-1530	26	M.Sp.S.	76	82	--	80/116' roller trawl
872	20°01'	91°52'	11-22-58	1555-1750	26	M.Sp.S.	76	82	--	80/116' roller trawl
873	20°00'	91°56'	11-23-58	0620-0750	37-28	M.Sp.S.	78	82	--	80/116' roller trawl
874	20°03'	91°52'	11-23-58	0815-1005	28	--	84	82	--	80/116' roller trawl
875	20°06'	91°57'	11-23-58	1035-1205	26	M.Sp.S.	88	82	--	80/116' roller trawl
876	20°04'	91°55'	11-23-58	1230-1350	28	M.Sp.S.	88	82	--	80/116' roller trawl
877	20°06'	91°53'	11-23/25-58	1420-0845	26	M.Sp.S.	88	82	81.68	Arrowhead snapper trap
878	20°05'	91°51'	11-23-58	1525-1630	27	M.Sp.S.	86	82	--	54/74' roller trawl
879	20°05'	91°51'	11-23-58	--	27	M.Sp.S.	78	82	--	54/74' roller trawl
880	20°05'	91°51'	11-24-58	0630-0800	27	M.Sp.S.	78	82	--	54/74' roller trawl
881	20°04'	91°54'	11-24-58	0830-1015	26	M.Sp.S.	90	82	81.5	54/74' roller trawl
882	20°05'	91°51'	11-24-58	1035-1115	26	M.Sp.S.	90	82	--	54/74' roller trawl
883	20°05'	91°51'	11-24-58	1145-1315	28	M.Sp.S.	90	83	--	54/74' roller trawl
884	20°05'	91°51'	11-24-58	1510-1640	28	M.Sp.S.	83	82	--	54/74' roller trawl
885	20°05'	91°51'	11-24-58	1705-1820	28	M.Sp.S.	78	83	--	54/74' roller trawl
886	20°05'	91°51'	11-24-58	1845-2015	28	M.Sp.S.	78	83	--	54/74' roiler trawl
887	20°05'	91°51'	11-25-58	0630-0800	27	M.Sp.S.	84	83	--	54/74' roller trawl
888	20°06'	91°53'	11-25/28-58	0915-0645	26	--	84	83	81.68	Arrowhead snapper trap
889	20°05'	91°51'	11-25-58	1010-1140	26	M.Sp.S.	81	83	--	54/74' roller trawl
890	20°05'	91°51'	11-25-58	1210-1345	27	M.Sp.S.	81	83	--	54/74' roller trawl
891	20°05'	91°51'	11-25-58	1415-1545	27	M.Sp.S.	90	83	--	54/74' roller trawl
892	20°05'	91°51'	11-25-58	1600-1630	27	M.Sp.S.	88	83	--	54/74' roller trawl
893	20°05'	91°51'	11-26-58	0555-0735	27	M.Sp.S.	75	82	--	54/74' roller trawl
894	20°05'	91°51'	11-26-58	0815-0950	27	M.Sp.S.	84	83	--	54/74' roller trawl
895	20°05'	91°51'	11-26-58	1015-1145	27	M.Sp.S.	88	83	--	54/74' roller trawl
896	20°05'	91°51'	11-26-58	1210-1340	27	M.Sp.S.	90	83	--	54/74' roller trawl
897	20°05'	91°51'	11-26-58	1400-1530	27	M.Sp.S.	90	83	--	54/74' roller trawl
898	20°05'	91°51'	11-26-58	1555-1720	27	M.Sp.S.	85	83	--	54/74' roller trawl
899	20°05'	91°51'	11-26-58	1740-1915	27	M.Sp.S.	78	82	--	54/74' roller trawl
900	20°05'	91°51'	11-28-58	0735-0905	27-24	M.Sp.S.	78	--	--	54/74' roller trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
901	20°05'	91°51'	11-28-58	0935-1120	26	S.M.Sp.	85	--	--	54/74' roller trawl
902	20°05'	91°51'	11-28-58	1145-1200	27	M.Sp.S.	--	82	--	54/74' roller trawl
903	20°05'	91°51'	11-28-58	1350-1520	27	M.Sp.S.	86	82	--	54/74' roller trawl
904	20°05'	91°51'	11-28-58	1545-1645	27	M.Sp.S.	78	82	--	54/74' roller trawl
905	20°05'	91°51'	11-28-58	1750-1925	26	M.S.Sp.	79	82	--	54/74' roller trawl
906	20°05'	91°51'	11-28-58	1950-2125	28	M.S.Sp.	78	82	--	54/74' roller trawl
907	20°05'	91°51'	11-28-58	2150-2310	26	M.Sp.S.	80	82	--	54/74' roller trawl
908	20°05'	91°51'	11-29-58	0030-0200	27	M.Sp.S.	80	82	--	54/74' roller trawl
909	20°05'	91°51'	11-29-58	--	27	M.Sp.S.	80	82	--	54/74' roller trawl
910	20°05'	91°51'	11-29-58	0745-0915	27	M.S.Sp.	80	82	--	54/74' roller trawl
911	20°05'	91°51'	11-29-58	1005-1105	27	M.S.Sp.	85	82	--	54/74' roller trawl
912	20°05'	91°51'	11-29-58	1135-1235	27	M.Sp.S.	86	82	--	54/74' roller trawl
913	20°05'	91°51'	11-29-58	1310-1410	27	M.Sp.S.	80	82	--	54/74' roller trawl
914	20°05'	91°51'	11-29-58	1435-1525	27	M.Sp.S.	78	82	--	54/74' roller trawl
915	22°20'	89°48'	12-2-58	0150-0320	28	M.Co.Sh.	75	81	--	54/74' roller trawl
916	22°18'	89°49'	12-2-58	0350-0605	28	S.Co.Sh.	75	81	--	54/74' roller trawl
917	22°23'	89°53'	12-2-58	0720-0845	29	Co.S.Sh.	76	81	--	54/74' roller trawl
918	22°23'	89°53'	12-2-58	0910-0945	29	Co.S.Sh.	80	81	--	54/74' roller trawl
919	29°44'	88°18'	1-13-59	2110-2210	20	M.	60	53	--	80' semi-balloon trawl
920	29°41'	88°16'	1-13-59	2315-0045	22	M.	60	53	--	80' balloon trawl
921	29°42'	88°20'	1-14-59	0120-0250	20	M.	69	53	--	80' semi-balloon trawl
922	29°40'	88°18'	1-14-59	0325-0555	20	M.	60	53	--	80' balloon trawl
923	29°32'	88°07'	1-14-59	0535-0645	20-24	M.	60	--	--	80' semi-balloon trawl
924	29°32'	88°02'	1-14-59	0805-0935	21	M.	60	--	--	80' semi-balloon trawl
925	29°41'	87°57'	1-14-59	1010-1200	20-22	M.	80	64	--	80' semi-balloon trawl
926	29°36'	87°58'	1-14-59	1225-1355	20	M.	74	65	--	80' semi-balloon trawl
927	29°40'	87°58'	1-14-59	1435-1605	18-20	M.	74	65	--	80' semi-balloon trawl
928	29°46'	87°58'	1-14-59	1645-1815	18	M.S.	62	65	--	80' semi-balloon trawl
929	29°57'	87°47'	1-14-59	2010-2140	16	M.	--	60.1	--	80' semi-balloon trawl
930	30°03'	87°44'	1-14-59	2320-0050	13	M.	64	60.1	--	80' semi-balloon trawl
931	30°06'	87°37'	1-15-59	0115-0245	10-14	S.Sh.	65	60.1	--	80' semi-balloon trawl
932	30°02'	87°38'	1-15-59	0310-0440	14	S.Sh.	64	60	--	80' semi-balloon trawl
933	29°58'	87°42'	1-15-59	0555-0655	14	S.Sh.	64	--	--	50' midwater trawl
934	29°57'	87°48'	1-15-59	0725-0825	16	M.	64	60.1	62.6	50' midwater trawl
935	29°57'	87°48'	1-15-59	0915-1025	16	M.	--	--	--	50' midwater trawl
936	29°55'	87°53'	1-15-59	1055-1200	16	S.Sh.	63	61	--	50' midwater trawl
937	29°50'	87°55'	1-15-59	1225-1325	16-20	S.Sh.	64	61	--	50' midwater trawl
938	29°45'	87°56'	1-15-59	1345-1500	18	S.Sh.	64	61	--	50' midwater trawl
939	29°49'	87°58'	1-15-59	1520-1645	18-20	S.M.Sh.	64	61	--	50' midwater trawl
940	20°04'	91°57'	1-25-59	0950-1055	24	M.Sh.	74	74	--	40' midwater trawl
941	20°02'	91°58'	1-25-59	1125-1240	26	M.Sh.	74	74	--	40' midwater trawl
942	20°00'	91°59'	1-25-59	1405-1505	26	M.Sh.	73	74	--	54/74' roller trawl
943	20°02'	91°57'	1-25-59	1535-1650	26	M.Sp.Co.	73	75	--	54/74' roller trawl
944	20°00'	91°59'	1-25-59	1725-1900	26	M.Co.Sp.	72	75	--	54/74' roller trawl
945	20°05'	91°49'	1-26-59	0810-0830	26	M.Sp.	81	78	78	54/74' roller trawl
946	20°02'	91°54'	1-26-59	1125-1240	26	M.Sp.	80	78	--	54/74' roller trawl
947	20°02'	91°54'	1-26-59	1310-1425	26	M.Sp.	80	78	--	54/74' roller trawl
948	20°02'	91°54'	1-26-59	1445-1600	26	M.Sp.	80	78	--	54/74' roller trawl
949	20°02'	91°54'	1-26-59	1640-1740	26	M.Sp.	78	78	--	54/74' roller trawl
950	20°02'	91°54'	1-26-59	1800-1925	26	M.Sp.	74	76	--	54/74' roller trawl
951	20°00'	92°00'	1-27-59	0545-0715	30-25	M.Sp.	73	77	--	54/74' roller trawl
952	20°02'	91°58'	1-27-59	0740-0915	25	M.Sp.	76	76	--	54/74' roller trawl
953	19°56'	91°55'	1-27-59	0940-1100	25	M.Sp.	76	76	--	54/74' roller trawl
954	19°52'	91°52'	1-27-59	1120-1250	30	M.Sp.	78	76	--	54/74' roller trawl
955	19°49'	91°57'	1-27-59	1315-1350	40-46	M.	78	76	--	54/74' roller trawl
956	19°48'	91°54'	1-27-59	1450-1620	38-32	M.	78	76	--	54/74' roller trawl
957	19°48'	91°51'	1-27-59	1640-1810	32	M.	74	76	--	54/74' roller trawl
958	19°39'	91°46'	1-27-59	1835-2015	26	M.	74	76	--	54/74' roller trawl
959	20°07'	92°03'	1-28-59	0705-0835	40	M.	76	76	--	54/74' roller trawl
960	20°03'	92°02'	1-28-59	--	26	M.	78	76	--	54/74' roller trawl
961	20°02'	91°58'	1-28-59	1055-1210	26	M.Sp.	80	76	--	54/74' roller trawl
962	20°02'	91°58'	1-28-59	1235-1350	23	M.Sp.	78	76	--	54/74' roller trawl
963	20°02'	91°58'	1-28-59	1415-1535	23	M.Sp.	78	76	--	54/74' roller trawl
964	20°02'	91°58'	1-28-59	1615-1720	23	M.Sp.	76	76	--	54/74' roller trawl
965	20°02'	91°58'	1-28-59	1805-1940	23	M.Sp.	76	76	--	54/74' roller trawl
966	20°00'	92°01'	1-29-59	--	35	M.	73	76.5	--	54/74' roller trawl
967	20°02'	91°58'	1-29-59	0935-1005	23	M.Sp.	78	76	--	54/74' roller trawl
968	20°00'	92°01'	1-29-59	1025-1205	38	M.Sp.	78	77	--	54/74' roller trawl
969	20°02'	91°58'	1-29-59	1230-1400	38	M.Sp.	78	77	--	54/74' roller trawl
970	20°02'	91°58'	1-29-59	1420-1510	38	M.Sp.	78	77	--	54/74' roller trawl
971	20°02'	91°58'	1-29-59	--	38-26	M.Sp.	80	77	--	54/74' roller trawl
972	19°57'	91°58'	1-29-59	1715-1915	38	M.Sp.	78	77	--	54/74' roller trawl
973	20°03'	91°55'	1-30-59	1325-1440	28-42	M.Sp.	76	77	--	52/90' roller trawl
974	19°59'	91°58'	1-30-59	1515-1630	42	M.Sp.	75	77	--	52/90' roller trawl
975	20°02'	91°58'	1-30-59	--	28	M.Sp.	--	77	--	52/90' roller trawl
976	20°03'	91°55'	1-31-59	--	50-26	M.Sp.	74	76	--	52/90' roller trawl
977	20°02'	91°58'	1-31-59	0835-1010	26	M.Sp.	80	77	--	52/90' roller trawl
978	19°57'	91°58'	1-31-59	1045-1215	26	M.Sp.	80	77	--	52/90' roller trawl
979	20°02'	91°58'	1-31-59	1245-1415	26	M.Sp.	79	77	--	52/90' roller trawl
980	20°01'	91°56'	1-31-59	--	26	M.Sp.	80	77	--	52/90' roller trawl
981	19°58'	91°54'	1-31-59	1650-1730	26	M.Sp.	--	77	--	52/90' roller trawl
982	20°00'	92°02'	--	--	45	M.Sp.	75.5	77	--	52/90' roller trawl
983	20°06'	92°00'	2-1-59	0830-1010	32	M.Sp.	--	77	--	52/72' roller trawl
984	20°03'	91°58'	2-1-59	1145-1315	26	M.Sp.	72	77	--	54/74' roller trawl
985	21°57'	91°25'	2-2-59	0700-0800	25	M.Sp.	74	77	--	54/74' roller trawl
986	21°57'	91°20'	2-2-59	0820-0935	25	Co.S.	80	77	--	54/74' roller trawl
987	22°07'	91°12'	2-2-59	1035-1205	30	Co.S.Sh.	80	77	--	54/74' roller trawl
988	22°06'	91°11'	2-2-59	1225-1355	32	Co.S.Sh.	80	78	--	54/74' roller trawl
989	22°08'	91°09'	2-2-59	1415-1525	32	Co.S.Sh.	80	78	--	54/74' roller trawl
990	22°13'	91°14'	2-2-59	1640-1750	46-58	Co.S.Sh.	77	77	--	54/74' roller trawl
991	20°03'	92°00'	2-28/3-1-59	1600-1333	32	Co.M.	78	80	76.1	Snapper trap
992	20°03'	92°00'	2-28/3-1-59	1603-1346	32	Co.M.	78	80	76.1	Snapper trap
993	20°03'	92°00'	2-28/3-1-59	1606-1401	32	Co.M.	78	80	76.1	Snapper trap
994	20°03'	92°00'	2-28/3-1-59	1610-1413	32	Co.M.	78	80	76.1	Snapper trap
995	20°03'	92°00'	2-28/3-1-59	1614-1437	32	Co.M.	78	80	76.1	Snapper trap
996	20°03'	92°00'	2-28/3-1-59	1618-1506	32	Co.M.	78	80	76.1	Snapper trap
997	20°03'	92°00'	2-28/3-1-59	1620-1526	32	Co.M.	78	80	76.1	Snapper trap
998	20°03'	92°00'	2-28/3-1-59	1627-1530	32	Co.M.	78	80	76.1	Snapper trap
999	20°03'	92°00'	2-28/3-1-59	1627-1545	32	Co.M.	78	80	76.1	Snapper trap
1000	20°03'	92°00'	2-28/3-1-59	1635-1600	32	--	78	80	76.1	Snapper trap

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1001	20°03'	92°00'	2-28/3-1-59	1635-1617	32	--	78	80	76.1	Snapper trap
1002	20°03'	92°00'	2-28/3-1-59	1653-1624	32	Co.M.	78	80	76.1	Snapper trap
1003	20°03'	92°00'	2-28-59	--	32	Co.M.	78	80	76.1	Snapper trap
1004	20°03'	92°00'	2-28-59	--	32	Co.M.	78	80	76	Snapper trap
1005	20°03'	91°57'	2-28-59	0640-0740	28	M.Sp.	77	80	--	54/74' roller trawl
1006	20°05'	91°52'	2-28-59	0805-0905	27	M.Sp.	78	80	--	54/74' roller trawl
1007	20°03'	91°57'	2-28-59	0930-1100	28	M.Sp.	80	80	--	54/74' roller trawl
1008	20°05'	91°52'	2-28-59	1120-1245	28	M.Sp.	82	80	--	54/74' roller trawl
1009	20°04'	91°57'	2-28-59	1330-1500	26	M.Sp.	78	80	--	54/74' roller trawl
1010	20°05'	91°52'	2-28-59	1520-1650	26	M.Sp.	78	80	--	54/74' roller trawl
1011	20°05'	91°52'	2-28-59	1710-1810	26	M.Sp.	78	80	--	54/74' roller trawl
1012	20°04'	91°58'	3-1/3-3-59	1335-0630	30	Co.	73	80	76	Snapper trap
1013	20°04'	91°58'	3-1/3-3-59	1434-0655	30	Co.	73	80	76	Snapper trap
1014	20°04'	91°58'	3-1/3-3-59	1441-0705	--	Co.	73	80	76	Snapper trap
1015	20°04'	91°58'	3-1/3-3-59	1445-0730	30	Co.	73	80	76	Snapper trap
1016	20°04'	91°58'	3-1/3-3-59	1450-0746	30	Co.	73	80	76	Snapper trap
1017	20°04'	91°58'	3-1/3-3-59	1509-0806	30	Co.	73	80	76	Snapper trap
1018	20°04'	91°58'	3-1/3-3-59	1534-0825	30	Co.	73	80	76	Snapper trap
1019	20°04'	91°58'	3-1/3-3-59	1603-0905	30	Co.	73	80	76	Snapper trap
1020	20°04.5'	91°58'	3-1/3-3-59	1635-0915	30	Co.	73	80	76	Snapper trap
1021	20°03'	91°57'	3-2-59	0725-0855	27	M.Sp.	78	79	--	54/74' roller trawl
1022	20°03'	91°57'	3-2-59	0925-1500	27	M.Sp.	79	80	76	Snapper trap
1023	20°02'	91°51'	3-2-59	0950-0955	27	M.Sp.	78	80	--	54/74' roller trawl
1024	20°02'	91°52'	3-2-59	1145-1315	27	M.Sp.	78	80	--	54/74' roller trawl
1025	20°02'	91°51'	3-2-59	1335-1350	27	M.Sp.	76	80	--	54/74' roller trawl
1026	20°02'	91°51'	3-2/3-3-59	1500-1125	27	M.Sp.	78	80	75.1	Snapper trap
1027	20°04'	91°57'	3-3/3-4-59	0640-0815	30	Co.	74	79	77.36	Snapper trap
1028	20°04'	91°57'	3-3/3-4-59	0725-0826	30	--	78	79	77.36	Snapper trap
1029	20°04'	91°57'	3-3/3-4-59	0800-0839	30	M.Co.	78	79	77.36	Snapper trap
1030	20°04'	91°57'	3-3/3-4-59	0820-0856	30	M.Co.	78	79	77.36	Snapper trap
1031	20°04'	91°57'	3-3/3-4-59	0947-0910	30	M.Co.	78	79	77.36	Snapper trap
1032	20°04'	91°57'	3-3/3-4-59	0933-0943	30	Co.	78	79	77.36	Snapper trap
1033	20°04'	91°57'	3-3/3-4-59	0938-1056	30	Co.	78	79	77.36	Snapper trap
1034	20°04'	91°57'	3-3/3-4-59	0952-1103	30	Co.	78	79	77.36	Snapper trap
1035	20°02'	91°51'	3-3/3-7-59	1053-1420	27	Co.	78	79	75	Snapper trap
1036	20°02'	91°51'	3-3/3-7-59	1100-1430	27	M.Sp.	78	79	75	Snapper trap
1037	20°02'	91°51'	3-3/3-7-59	1108-1341	27	M.Sp.	78	79	75	Snapper trap
1038	20°02'	91°51'	3-3-59	1505-1605	28	M.Sp.	78	79	--	54/74' roller trawl
1039	20°03'	91°53'	3-3-59	1625-1755	26	M.Sp.	--	79	--	54/74' roller trawl
1040	20°03'	91°56'	3-4/3-7-59	1056-0915	26	Co.	76	78	77.76	Snapper trap
1041	20°03'	91°56'	3-4/3-7-59	1102-0926	26	Co.	76	78	77.76	Snapper trap
1042	20°03'	91°56'	3-4/3-7-59	1106-0946	26	Co.	--	78	77.76	Snapper trap
1043	20°03'	91°56'	3-4/3-7-59	1110-0958	26	Co.	76	78	77.76	Snapper trap
1044	20°03'	91°56'	3-4/3-7-59	1115-1015	26	Co.	76	78	77.76	Snapper trap
1045	20°03'	91°56'	3-4/3-7-59	1120-1130	26	Co.	76	78	77.8	Snapper trap
1046	20°03'	91°56'	3-4/3-7-59	1125-1148	26	Co.	78	78	77.76	Snapper trap
1047	20°03'	91°54'	3-5-59	--	28-34	M.Sp.	80	79	--	54/74' roller trawl
1048	20°02'	91°59'	3-5-59	0930-1110	28	M.Sp.	80	77	--	54/74' roller trawl
1049	20°01'	91°57'	3-5-59	1210-1350	26	M.Sp.	80	79	--	54/74' roller trawl
1050	20°02'	91°54'	3-5-59	1430-1510	26	M.Sp.	80	79	--	54/74' roller trawl
1051	20°01'	91°56'	3-5-59	1530-1700	26	M.Sp.	80	80	--	54/74' roller trawl
1052	20°02'	91°54'	3-5-59	1720-1850	28	M.Sp.	76	80	--	54/74' roller trawl
1053	20°02'	91°54'	3-7-59	0655-0825	25	Co.	73	78	--	54/74' roller trawl
1054	20°03'	91°55'	3-7/8-59	0920-1318	26	Co.Sp.	72	78	--	Snapper trap
1055	20°03'	91°55'	3-7/8-59	0935-1330	26	Co.Sp.	72	78	--	Snapper trap
1056	20°03'	91°55'	3-7/8-59	0950-1341	26	Co.Sp.	72	78	--	Snapper trap
1057	20°03'	91°55'	3-7/8-59	1009-1350	26	Co.Sp.	72	78	--	Snapper trap
1058	20°03'	91°55'	3-7/8-59	1020-1400	26	Co.Sp.	72	78	--	Snapper trap
1059	20°03'	91°55'	3-7/8-59	1140-1416	26	Co.Sp.	72	78	--	Snapper trap
1060	20°03'	91°55'	3-7/8-59	1156-1426	26	Co.Sp.	72	78	--	Snapper trap
1061	--	--	3-7-59	1220-1350	26	Co.	75	78	--	54/74' roller trawl
1062	20°02'	91°51'	3-7-59	1510-1645	26	M.Sp.	74	78	--	54/74' roller trawl
1063	20°03'	91°55'	3-7-59	--	26	Co.Sp.	74	78	--	54/74' roller trawl
1064	20°03'	91°55'	3-7/8-59	1830-1438	26	Co.M.	74	78	--	Snapper trap
1065	20°03'	91°55'	3-7/8-59	1835-1450	26	Co.M.	74	78	--	Snapper trap
1066	20°03.5'	92°05'	3-7-59	2030-2135	55	Co.Sp.	74	78	--	40' flat trawl
1067	20°03'	91°52'	3-8-59	0615-0800	26	Co.Sp.	75	78	--	54/74' roller trawl
1068	20°03'	91°52'	3-8-59	0825-0955	26	Co.Sp.	76	79	--	54/74' roller trawl
1069	20°03'	91°52'	3-8-59	1035-1205	26	Co.Sp.	76	79	--	54/74' roller trawl
1070	20°01'	91°58'	3-8-59	1540-1710	29-44	--	80	79	--	54/74' roller trawl
1071	20°00'	92°02'	3-8-59	1730-1910	44-52	--	79	79	--	54/74' roller trawl
1072	20°03'	91°53'	3-8-59	2025-2125	32	Co,Sp.M.	74	79	--	54/74' roller trawl
1073	20°02'	91°59'	3-9-59	0620-0725	32	--	77	78	--	54/74' roller trawl
1074	20°01'	92°03'	3-9-59	0825-0955	45-50	M.	79	78	--	54/74' roller trawl
1075	20°05'	92°05'	3-9-59	1020-1220	48-24	M.	76	78	--	54/74' roller trawl
1076	20°03'	91°56'	4-5-59	1415-1545	26	M.Sp.	85	80	--	54/74' roller trawl
1077	20°02'	91°55'	4-5-59	1615-1745	26	M.Sp.	84	80	--	54/74' roller trawl
1078	20°02'	91°55'	4-5-59	1820-2000	26	M.Sp.	82	80	--	54/74' roller trawl
1079	20°03'	91°56'	4-6-59	0535-0705	26	M.Sp.	78	80	--	54/74' roller trawl
1080	20°02'	91°53'	4-6-59	0730-0910	26	M.Sp.	78	80	--	54/74' roller trawl
1081	20°03'	91°56'	4-6-59	0930-1100	26	M.Sp.	80	80	--	54/74' roller trawl
1082	20°03'	91°56'	4-6-59	1120-1250	26	M.Sp.	82	80	--	54/74' roller trawl
1083	20°02'	91°58'	4-6-59	1340-1510	28-40	M.Sp.	82	80	--	54/74' roller trawl
1084	20°00'	92°00'	4-6-59	1535-1705	40-55	M.Sp.	86	80	--	54/74' roller trawl
1085	19°58'	92°05'	4-6-59	1735-1900	50-45	M.Sp.	80	80	--	54/74' roller trawl
1086	20°02'	91°56'	4-7-59	0610-0740	26	M.Sp.	78	80	--	54/74' roller trawl
1087	20°03'	91°54'	4-7-59	0805-0935	26	M.Sp.	78	80	--	54/74' roller trawl
1088	20°02'	91°50'	4-7-59	1000-1130	26	M.Sp.	80	80	--	54/74' roller trawl
1089	19°59'	91°45'	4-7-59	1150-1320	26	M.Sp.	80	80	--	54/74' roller trawl
1090	19°54'	91°49'	4-7-59	1345-1515	26	M.Sp.	84	80	--	54/74' roller trawl
1091	19°52'	91°49'	4-7-59	1340-1710	26	M.Sp.	82	80	--	54/74' roller trawl
1092	19°54'	91°47'	4-7-59	1730-1905	26	M.Sp.	80	80	--	54/74' roller trawl
1093	19°57'	91°45'	4-8-59	--	29-27	M.Sp.	78	79.5	--	54/74' roller trawl
1094	19°56'	91°47'	4-8-59	0735-0845	27	M.Sp.	82	79.5	--	54/74' roller trawl
1095	19°51'	91°47'	4-8-59	0925-0950	27	M.Sp.	82	80	--	54/74' roller trawl
1096	19°50'	91°50'	4-8-59	1320-1435	28	M.Sp.	95	80	--	54/74' roller trawl
1097	19°48'	91°49'	4-8-59	1740-1810	30	M.Sp.	78	80	--	54/74' roller trawl
1098	19°48'	91°56'	4-9-59	1350-1520	30-28	M.Sp.	80	80	--	54/74' roller trawl
1099	19°46'	91°54'	4-9-59	1605-1715	28	M.	--	80.5	--	54/74' roller trawl
1100	19°44'	91°43'	4-9-59	1745-1930	27	M.Sp.	--	80	--	54/74' roller trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1401	34°37.5'	76°49'	11-23-59	1640-1740	8	--	59	59	61.1	54/74' fish trawl
1402	34°30.5'	76°57.5'	11-23-59	1856-2026	10-11	--	59	59	--	54/74' fish trawl
1403	34°24.5'	76°58'	11-23-59	2110-2240	11	--	--	--	--	54/74' fish trawl
1404	34°22'	77°03'	11-24-59	2320-0050	12	S.Sh.	65	--	64.5	54/74' fish trawl
1405	34°24.5'	77°09'	11-24-59	0205-0335	12-13	S.Sh.	65	66.5	64.4	54/74' fish trawl
1406	34°15.5'	77°06.5'	11-24-59	0420-0550	13-14	--	66	66.5	66.7	54/74' fish trawl
1407	34°12'	77°06'	11-24-59	0630-0800	14	Sh.	67	--	--	54/74' fish trawl
1408	34°39'	76°40'	11-26-59	0730-0740	7	M.	52	--	59.2	14-tooth clam dredge
1409	34°40'	76°41'	11-26-59	0807-0817	6-5	M.	53	--	59.2	14-tooth clam dredge
1410	34°41'	76°43'	11-26-59	0843-0858	5-6	M.	56	59.5	59	Clam dredge
1411	34°41'	76°44'	11-26-59	0928-0943	6	M.	60	59	59.2	Clam dredge
1412	34°41'	76°43'	11-26-59	0950-1020	4½-6	M.	60	59.5	59.2	Clam dredge
1413	34°41'	76°43'	11-26-59	1030-1100	6-4½	M.	60	59	59.2	Clam dredge
1414	34°41'	76°43'	11-26-59	1108-1123	4½-4	M.	57	59	59.2	Clam dredge
1415	34°41'	76°44'	11-26-59	1130-1145	4	M.	57	59	59.2	Clam dredge
1416	34°41'	76°45'	11-26-59	1156-1214	6-7	M.	58	59	59.2	Clam dredge
1417	31°41'	76°44'	11-26-59	1221-1236	7-6	M.	57	59	59.2	Clam dredge
1418	34°44'	76°50'	11-26-59	1312-1328	5	M.	59	60	59.2	Clam dredge
1419A	34°41'	76°45'	11-26-59	1424-1440	5	M.	54	59	59.2	9' scallop dredge
1419B	34°41'	76°45'	11-26-59	1424-1440	5	M.	54	59	59.2	Clam dredge
1420A	34°41'	76°43'	11-26-59	1455-1535	5	M.	52	59	59.2	Scallop dredge
1420B	34°41'	76°43'	11-26-59	1455-1535	5	M.	52	59	59.2	Clam dredge
1421A	34°41'	76°43'	11-26-59	1540-1610	5	M.	52	59	59.2	Scallop dredge
1421B	34°41'	76°43'	11-26-59	1540-1610	5	M.	52	59	--	Clam dredge
1422	34°41'	76°43'	11-26-59	1626-1656	5	M.	49	59	59	Clam dredge
1423	34°40'	76°37'	11-27-59	0835-0850	4	M.	62	60	59.5	Clam dredge
1424	34°39.5'	76°36'	11-27-59	0902-0932	4-4½	S.	62	60	59.5	Clam dredge
1425	34°39'	76°34.5'	11-27-59	0944-1014	4½	--	62	60	59.5	Clam dredge
1426	34°39.5'	76°40'	11-27-59	1025-1055	5	M.	62	60	59.5	Clam dredge
1427	34°39.5'	76°40'	11-27-59	1110-1140	5-6½	M.	65	60	59.5	Clam dredge
1428	34°39.5'	76°41'	11-27-59	1210-1245	6-4½	M.	67	60	59.5	Clam dredge
1429	34°39.5'	76°40.5'	11-27-59	1300-1330	4½	M.	67	60	59.5	Clam dredge
1430	34°39.5'	76°40'	11-27-59	1345-1400	4½	M.	67	60	59.4	Clam dredge
1431	34°39.5'	76°40'	11-27-59	1410-1440	4½	M.	67	60	59.4	Clam dredge
1432	34°39.5'	76°40.5'	11-27-59	1450-1520	4½-5	--	67	60	59.4	Clam dredge
1433	34°39.5'	76°39'	11-27-59	1527-1557	5	M.	64	59	59.5	Clam dredge
1434	34°39.5'	76°38.5'	11-29-59	0730-0800	6	M.	41	58	59	Clam dredge
1435	34°39.6'	76°38'	11-29-59	0810-0840	5-4½	M.	45	58	59.7	14-tooth clam dredge
1436	34°39.7'	76°38.3'	11-29-59	0850-0920	6	M.	45	58	59.7	Clam dredge
1437	34°39.7'	76°38.3'	11-29-59	0927-0957	6-5½	M.	45	58	59.7	Clam dredge
1438	34°39.7'	76°38.3'	11-29-59	1008-1038	5½-5	M.	51	58	59.7	Clam dredge
1439	34°39.7'	76°38.3'	11-29-59	1052-1122	5-5½	M.	51	58	59.7	Clam dredge
1440	34°39.7'	76°38.3'	11-29-59	1134-1201	5½-5	M.	51	58	59.7	Clam dredge
1441	34°39.7'	76°38.3'	11-29-59	1215-1245	5-6	M.	48	58.5	59.5	Clam dredge
1442	34°39.7'	76°38.3'	11-29-59	1252-1322	6-4½	M.	48	58.5	59.5	Clam dredge
1443	34°39.7'	76°38.3'	11-29-59	1400-1430	5	M.	41	58.5	59.5	Clam dredge
1444	34°39.7'	76°38.3'	11-29-59	1442-1510	5	M.	41	58.5	59.5	Clam dredge
1445	34°39.7'	76°38.3'	11-29-59	1520-1600	5	M.	40	58.5	59.5	Clam dredge
1446	34°40'	76°40.5'	12-1-59	0735-0750	6	M.Sh.	41	54.5	56.7	14-tooth clam dredge
1447	34°40.7'	76°43'	12-1-59	0802-0817	4½	M.	42	54.5	56.7	Clam dredge
1448	34°41'	76°43.4'	12-1-59	0825-0855	6-4½	M.	46	54.5	56.7	Clam dredge
1449	34°41'	76°43.4'	12-1-59	0908-0923	4½-7	M.	46	54.5	56.7	Clam dredge
1450	34°40.5'	76°44'	12-1-59	0933-0948	7-7½	M.	46	54.5	56.7	Clam dredge
1451	34°40'	76°44.5'	12-1-59	0955-1010	7½	M.	46	54.5	56.7	Clam dredge
1452	34°40.5'	76°46'	12-1-59	1025-1040	7-6	M.	41	54.5	56.7	Clam dredge
1453	34°40.8'	76°46.8'	12-1-59	1050-1105	6	M.	47	54.5	56.7	Clam dredge
1454	34°41'	76°47.5'	12-1-59	1132-1147	5	M.S.	48	54.5	56.7	Clam dredge
1455	34°41'	76°48'	12-1-59	1200-1215	5-4½	M.	49	54.5	56.8	Clam dredge
1456	34°41'	76°43'	12-1-59	1255-1310	4-5	M.	48	54.5	56.8	Clam dredge
1457	34°41'	76°42.5'	12-1-59	1320-1335	5	M.	54	54.5	56.7	Clam dredge
1458	34°40'	76°41'	12-1-59	1343-1358	5	M.	54	54.5	56.7	Clam dredge
1459	34°39'	76°41'	12-1-59	1403-1418	5	M.Sh.	54	54.5	56.7	Clam dredge
1460	34°39.5'	76°40'	12-1-59	1429-1446	5	M.Sh.	54	54.5	56.7	Clam dredge
1461	34°39'	76°40'	12-1-59	1452-1523	5½	M.	54	54.5	56.7	Clam dredge
1462	34°39'	76°40'	12-1-59	1535-1600	5½	M.	56	54.5	56.7	Clam dredge
1463	34°16'	76°23.5'	12-3-59	1100-1230	18	G.S.	55	67.5	78.1	60/80' 2-seam fish trawl
1464	34°39'	76°36'	12-4-59	0737-0752	5-4	M.Sh.	45	52.0	54.9	Clam dredge
1465	34°39'	76°34.5'	12-4-59	0758-0813	4-3½	M.S.Sh.	46	52	54.9	Clam dredge
1466	34°38'	76°33.5'	12-4-59	0823-0838	4-3	M.	53	52	54.9	Clam dredge
1467	34°37'	76°32.6'	12-4-59	0852-0910	3-6	M.	53	52	54.9	Clam dredge
1468	34°37'	76°33.7'	12-4-59	0923-0940	6½	M.	53	52	54.9	Clam dredge
1469	34°36'	76°33.5'	12-4-59	0952-1008	6½-5	M.	54	52	54.9	Clam dredge
1470	34°35'	76°33.5'	12-4-59	1015-1030	5-6½	M.	54	52	54.9	Clam dredge
1471	34°36'	76°33.5'	12-4-59	1042-1057	6½-7½	M.	54	52	54.9	Clam dredge
1472	34°36'	76°34.5'	12-4-59	1110-1125	7½	bk.M.	55	52	54.9	Clam dredge
1473	34°36.4'	76°35.2'	12-4-59	1133-1148	7½	bk.M.	55	52	54.9	Clam dredge
1474	34°36'	76°34.5'	12-4-59	1159-1214	7-6	bk.M.	55	52	54.9	Clam dredge
1475	34°36.1'	76°33.7'	12-4-59	1230-1245	6-3½	bk.M.	54	52	54.9	Clam dredge
1476	34°36.2'	76°32.8'	12-4-59	1256-1326	3½-4	bk.M.	54	52	54.9	Clam dredge
1477	34°37.3'	76°32.8'	12-4-59	1348-1417	--	bk.M.	55	52	54.9	Clam dredge
1478	34°37.3'	76°32.8'	12-4-59	1428-1454	3½-4	bk.M.	55	52	54.9	Clam dredge
1479	34°37.3'	76°32.8'	12-4-59	1503-1532	3½-4	bk.M.	60	52	54.9	Clam dredge
1480	34°37.3'	76°32.8'	12-4-59	1541-1612	4-4½	bk.M.	60	52	59.9	Clam dredge
1481	34°36.6'	76°33.1'	12-4-59	1618-1649	4½-5	bk.M.	60	52	54.9	Clam dredge
1482	34°39.7'	76°38.3'	12-4-59	1650-1722	5	bk.M.	54	52	54.9	Clam dredge
1483	34°23.5'	76°24.5'	12-6-59	1405-1505	12	--	65	62	--	60/80' 2-seam shrimp trawl
1484	34°26.5'	76°14'	12-6-59	1632-1732	17-20	gy.S.	61	68	--	60/80' 2-seam shrimp trawl
1485	34°30'	76°02'	12-6-59	1905-2005	23	gy.S.	61	73	--	60/80' 2-seam shrimp trawl
1486	34°52'	76°13'	12-7-59	0355-0525	7	S.	44	58	--	60/80' 2-seam shrimp trawl
1487	35°01.5'	76°02.5'	12-7-59	0702-0802	5-8	S.	40	58	--	60/80' 2-seam shrimp trawl
1488	34°58.5'	75°50.5'	12-7-59	0925-1025	12	S.Sh.	45	60	68	64/84' fish trawl
1489	34°50.5'	76°18'	12-7-59	1433-1502	5	S.G.	43	58	--	Clam dredge
1490	34°47.5'	76°21'	12-7-59	1648-1718	5	Sh.G.	42	57	--	Clam dredge
1491	34°47.5'	76°21'	12-7-59	1727-1757	5	G.Sh.	42	57	--	Clam dredge
1492	34°46.5'	76°22'	12-7-59	1810-1840	5	S.Sh.	40	57	--	Clam dredge
1493	34°46.5'	76°22'	12-7-59	1856-1926	7	S.Sh.	40	57.5	--	Clam dredge
1494	34°46.5'	76°21'	12-7-59	1943-2013	7-6	S.Sh.	40	58	--	Clam dredge
1495	34°46'	76°22'	12-7-59	2025-2055	6-5	S.Sh.	40	57	--	Clam dredge
1496	34°47.5'	76°03'	12-8-59	0413-0447	16	S.	41	64	--	8' scallop dredge
1497	34°42.5'	75°56.5'	12-8-59	0557-0627	20	S.	43	70	--	8' scallop dredge
1498	34°16.5'	76°26'	12-8-59	1105-1205	17-18	G.S.	43	57	69.4	60/80' roller trawl
1499	34°10.5'	76°14.5'	12-8-59	1347-1517	25	--	43	66	69.4	60/80' shrimp trawl
1500	34°04'	76°15'	12-8-59	1625-1720	55-45	M.	54	67	--	60/80' shrimp trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1301	34°22'	76°43'	9-24-59	--	13-14	--	76	--	--	Night light station
1302	34°27'	76°41.5'	9-24-59	0135-0240	12-11	--	76	--	--	Night light station
1303	34°30'	76°39'	9-24-59	0315-0415	10	--	75	--	--	Night light station
1304	34°28.5'	76°46'	9-24-59	0455-0545	11	--	76	--	--	Night light station
1305	34°29'	76°49.5'	9-24-59	1005-1105	11-12	G.Sh.	77	79	--	54/74' roller trawl
1306	34°27.5'	76°53.5'	9-24-59	1140-1240	12	G.Sh.	78	77	--	54/74' roller trawl
1307	34°29.5'	76°57'	9-24-59	1304-1404	12	S.Sh.	78	79	--	54/74' roller trawl
1308	34°26.5'	77°05'	9-24-59	1500-1600	9-10	S.Sh.	78	79	--	54/74' roller trawl
1309	34°33'	77°06'	9-24-59	1745-1830	9	S.Sh.	79	79	--	86' balloon trawl
1310	34°35.3'	77°03'	9-24-59	1938-2038	8	S.Sh.	78	--	--	54/74' roller trawl
1311	34°37.6'	77°01'	9-24-59	2110-2240	7	S.Sh.	74	--	--	54/74' roller trawl
1312	34°35.5'	76°39'	9-27-59	0920-1020	8-7	S.	76	--	--	54/74' roller trawl
1313	34°37.3'	76°36.5'	9-27-59	1040-1150	7	S.M.	76	78	--	54/74' roller trawl
1314	34°38.5'	76°34.5'	9-27-59	1215-1345	6	S.	81	78	--	54/74' roller trawl
1315	34°34'	76°36'	9-27-59	1410-1540	8	S.M.	81	78	--	54/74' roller trawl
1316	34°01.5'	76°37.5'	9-27-59	1618-1725	9	S.M.	76	78.5	--	54/74' roller trawl
1317	34°32'	76°33.5'	9-27-59	1742-1927	8	S.	77	78	--	54/74' roller trawl
1318	34°36.5'	76°38'	9-27-59	2035-2135	8	S.	75	78	--	86' balloon trawl
1319	34°31'	76°40'	9-28-59	0723-0825	9	S.	76	78	--	86' balloon trawl
1320	33°08'	78°01'	10-15-59	1733-1833	17	S.Sh.	67	77	--	60/80' fish trawl
1321	33°20'	78°01.8'	10-15-59	2003-2103	16	S.Sh.	67	77	--	60/80' fish trawl
1322	33°40.1'	78°00'	10-16-59	0414-0615	7	S.	60	77	--	60/80' fish trawl
1323	33°47.3'	78°06.5'	10-16-59	0702-0725	7	S.Sh.	60	77	--	60/80' fish trawl
1324	33°48.5'	78°05.5'	10-16-59	0812-0912	7-8	S.Sh.	60	77	--	60/80' fish trawl
1325	33°52.2'	78°13'	10-16-59	1010-1110	5	S.Sh.	61	77	75.6	60/80' fish trawl
1326	33°53'	78°18'	10-16-59	1230-1330	4½-5	S.Sh.	61	77	75	54/74' fish trawl
1327	33°48.05'	78°28'	10-16-59	1448-1455	6-4½	S.	61	77	75.5	54/74' fish trawl
1328	33°46.05'	78°40'	10-16-59	1700-1830	5-4½	S.Sh.	60	75	75	54/74' fish trawl
1329	33°33.5'	78°50.5'	10-16-59	1948-2118	5-5½	S.Sh.	60	75	--	54/74' fish trawl
1330	33°33.5'	78°54.5'	10-16-59	2135-2235	5½	S.Sh.	60	75	--	54/74' fish trawl
1331	33°33'	78°49'	10-17-59	0030-0230	6	--	61	75	--	Night light station
1332	33°30'	78°51'	10-17-59	0410-0610	6-7	S.Sh.	69	75	--	54/74' fish trawl
1333	33°29'	78°37'	10-17-59	0730-0830	10-10½	S.Sh.	69	77	76.6	54/74' fish trawl
1334	33°34.7'	78°26.2'	10-17-59	1000-1100	10-11	S.Sh.	75	79	76.8	54/74' fish trawl
1335	33°35'	78°14'	10-17-59	1340-1450	10	S.Sh.	75	--	77.2	54/74' fish trawl
1336	33°28'	78°01'	10-17-59	1640-1800	12-13	S.Sh.	74	78	--	64/84' balloon trawl
1337	33°25.5'	77°53'	10-17-59	1920-2020	16	S.Sh.	73	--	--	64/84' balloon trawl
1338	33°23.5'	77°38.5'	10-17-59	2155-2255	13-12	S.Sh.	74	--	--	64/84' balloon trawl
1339	33°22.5'	77°35'	10-18-59	0030-0230	16-17	--	74	77	--	Night light station
1340	33°09'	77°36'	10-18-59	0415-0615	30-26	S.Sh.	74	--	--	64/84' balloon trawl
1341	33°08'	77°35.5'	10-18-59	0725-0825	45	--	74	--	--	64/84' balloon trawl
1342	33°05'	77°47'	10-18-59	1015-1115	51-50	--	75	--	--	64/84' balloon trawl
1343	33°01'	77°56'	10-18-59	1535-1640	51-53	--	75	--	--	64/84' balloon trawl
1344	33°03'	78°08'	10-18-59	1535-1640	16	--	75	--	--	64/84' balloon trawl
1345	33°13'	78°12.5'	10-18-59	1806-1936	16-15	S.Sh.	75	--	--	64/84' balloon trawl
1346	33°24.2'	78°18'	10-18-59	2100-2245	14-13	S.Sh.	72	--	--	64/84' balloon trawl
1347	33°24'	78°17'	10-19-59	0030-0230	14	--	70	--	--	Night light station
1348	33°20.5'	78°26'	10-19-59	0438-0638	13-12	--	64	76	--	54/74' fish trawl
1349	33°18'	78°44.5'	10-19-59	0805-0905	9	S.Sh.	65	76	--	54/74' fish trawl
1350	33°20'	78°53.5'	10-19-59	1035-1210	7	--	67	76	--	54/74' fish trawl
1351	33°18.5'	79°02'	10-19-59	1315-1430	6-5	--	78	76	--	54/74' fish trawl
1352	33°09'	79°05'	10-19-59	1530-1700	5-6	--	68	76	--	54/74' fish trawl
1353	33°03.5'	78°58'	10-19-59	1815-1945	7-8	--	68	75	--	54/74' fish trawl
1354	33°06'	78°46.4'	10-19-59	2115-2300	11	--	68	75	--	54/74' fish trawl
1355	33°12.5'	78°43'	10-20-59	0030-0230	11	--	64	75	--	Night light station
1356	33°04.5'	78°33'	10-20-59	0448-0648	14-15	--	71	76	--	54/74' fish trawl
1357	32°59'	78°24'	10-20-59	0810-0910	19-21	--	71	76	--	54/74' fish trawl
1358	32°50.6'	78°13'	10-20-59	1045-1200	23-24	S.Sh.	77	76	--	54/74' fish trawl
1359	32°45.5'	78°23'	10-20-59	1300-1430	50-51	S.Sh.	77	80	--	54/74' fish trawl
1360	32°51'	78°32'	10-20-59	1615-1715	21-19	S.Sh.	75	78	--	54/74' fish trawl
1361	33°00'	78°40'	10-20-59	1850-1950	15-16	S.Sh.	75	78	--	54/74' fish trawl
1362	32°56.7'	78°53.5'	10-20-59	2110-2240	14	S.Sh.	75	78	--	54/74' fish trawl
1363	32°53'	78°59.5'	10-21-59	0030-0230	--	S.Sh.	74	78	--	Night light station
1364	32°54'	79°12.5'	10-21-59	0405-0605	11	S.Sh.G.	74	77	--	54/74' fish trawl
1365	32°59.5'	79°14'	10-21-59	0720-0820	6-5	S.G.	74	77	--	54/74' fish trawl
1366	32°52.5'	79°23.5'	10-21-59	0948-1108	6-5½	--	70	78	--	54/74' fish trawl
1367	32°46.5'	79°24'	10-21-59	1212-1330	7-8	S.Sh.	70	77	--	54/74' fish trawl
1368	32°43'	79°13'	10-21-59	1505-1605	12-14	S.Sh.G.	69	76	--	64/84' fish trawl
1369	32°42'	79°02.5'	10-21-59	1725-1855	15-14	S.Sh.G.	69	76	--	64/84' fish trawl
1370	32°42'	78°52'	10-21-59	2022-2222	17-19	S.Sh.	69	76	--	64/84' fish trawl
1371	32°37.5'	79°31.5'	10-24-59	0942-1042	9	S.Sh.	68	74.4	76.3	64/84' fish trawl
1372	32°40.5'	79°16.5'	10-24-59	1205-1305	12	S.Sh.G.	68	75	77.4	64/84' fish trawl
1373	32°32'	79°42'	10-24-59	1650-1750	7	S.Sh.	66	74.5	75.2	64/84' fish trawl
1374	32°36.5'	79°51'	10-24-59	1910-2010	6-5	--	66	74	--	64/84' fish trawl
1375	32°32.7'	79°57'	10-24-59	2150-2250	6-5	gy.S.	58	72	73.04	64/84' fish trawl
1376	32°29'	80°07.5'	10-25-59	0020-0120	6-5	gy.S.	59	72	--	64/84' fish trawl
1377	32°29'	80°11.5'	10-25-59	0135-0235	5-5½	gy.S.	59	72	72.3	64/84' fish trawl
1378	32°20'	80°17'	10-25-59	0400-0500	5½	S.Sh.	58	72	72.3	64/84' fish trawl
1379	32°15'	80°26'	10-25-59	0625-0725	5-5½	gy.S.Sh.	54	72.5	72	64/84' fish trawl
1380	32°04.5'	80°36.5'	10-25-59	0950-1050	7½	--	55	72.3	71.9	64/84' fish trawl
1381	31°57.5'	80°44'	10-25-59	1350-1450	5	gy.S.	55	72.3	71.9	64/84' fish trawl
1382	31°52'	80°52'	10-25-59	1610-1710	6-5	gy.S.	--	--	71.9	64/84' fish trawl
1383	31°44.5'	80°57.5'	10-25-59	1835-1935	4½-6	S.Sh.	63	72.5	72.1	64/84' fish trawl
1384	31°47.5'	80°45'	10-25-59	2100-2200	7-8	S.Sh.	60	73	72.5	64/84' fish trawl
1385	31°55'	80°33'	10-25-59	2325-2425	9-8	brd.S.Sh.	60	73	--	64/84' fish trawl
1386	32°04'	80°24'	10-26-59	0155-0255	9-10	gy.S.Sh.	60	--	72	64/84' fish trawl
1387	32°13'	80°09.5'	10-26-59	0422-0522	9-8	gy.S.	58	73	72.5	64/84' fish trawl
1388	32°15'	79°49'	10-26-59	0732-0832	12	brd.S.	60	74.5	72.7	64/84' fish trawl
1389	32°20.5'	79°37'	10-26-59	0952-1050	15-16	gy.S.	80	75	71.6	64/84' fish trawl
1390	32°24.5'	79°28'	10-26-59	1230-1330	15-16	gy.S.Sh.	80	--	--	54/74' fish trawl
1391	32°30.5'	79°11'	10-26-59	1455-1555	19	S.G.Sh.	81	--	70.9	54/74' fish trawl
1392	32°32'	78°56.5'	10-26-59	1720-1820	20-21	S.G.Sh.	65	--	--	54/74' fish trawl
1393	32°32'	78°40.5'	10-26-59	2000-2130	40-50	gy.S.Sh.	69	76.3	71.6	54/74' fish trawl
1394	32°30.5'	78°44.5'	10-26-59	--	50	brd.S.	69	76.3	71.6	Dip station
1395	32°28'	78°44'	10-27-59	0240-0410	50	brd.S.	69	76	72	54/74' fish trawl
1396	34°25'	76°50'	11-23-59	0635-0735	12	S.Sh.	53	--	--	54/74' fish trawl
1397	34°31'	76°40'	11-23-59	0820-0930	10	--	--	--	--	54/74' fish trawl
1398	34°35.5'	76°43.5'	11-23-59	1050-1150	9	S.	61	--	--	54/74' fish trawl
1399	34°35'	76°44'	11-23-59	1255-1355	7	S.Sh.	60	--	60.2	54/74' fish trawl
1400	34°38'	76°44.5'	11-23-59	1435-1530	7	S.Sh.	62	59	59.7	54/74' fish trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1201	25°20'	84°23'	6-9-59	0345-0545	200	--	81	85	--	40' flat trawl
1202	25°16.5'	84°25'	6-9-59	0700-0842	210-250	--	81	85	--	40' flat trawl
1203	29°05'	88°22'	6-11/12-59	2145-0145	250	M.	77	82	--	40' flat trawl
1204	33°28'	77°24.5'	9-1-59	1930-2030	15-16	S.Sh.	82	86	--	86' balloon trawl
1205	33°29'	77°22'	9-1-59	2057-2227	16-20	S.Sh.	82	86	--	86/116' balloon trawl
1206	33°20'	77°10.5'	9-2-59	0545-0645	50	S.Sh.	82	86	--	86/116' balloon trawl
1207	33°24'	77°09'	9-2-59	0740-0800	25	S.Sh.	84	86	--	86/116' balloon trawl
1208	33°32'	77°30.5'	9-2-59	1100-1200	14	S.Sh.	88	85.5	--	50' 2-seam fish trawl
1209	33°41'	77°40.5'	9-2-59	1340-1440	11-12	S.Sh.Co.	86	86	--	50' 2-seam fish trawl
1210	33°47.5'	77°50'	9-2-59	1555-1655	8	S.Sh.Co.	88	86	--	50' 2-seam fish trawl
1211	33°55'	77°52.5'	9-2-59	1743-1843	5-6	S.Sh.	85	86	--	50' 2-seam fish trawl
1212	34°03.5'	77°50.5'	9-2-59	1935-2105	5-6	S.Sh.	84	86	--	50' 2-seam fish trawl
1213	34°06.5'	77°46.5'	9-2-59	2145-2315	7-8	S.Sh.	82	85.5	--	50' 2-seam fish trawl
1214	34°02'	77°35'	9-3-59	0540-0640	11	S.Sh.	80	85.5	--	50' 2-seam fish trawl
1215	33°56.5'	77°20.5'	9-3-59	--	15	S.Sh.	86	86	--	80' balloon trawl
1216	33°44.5'	77°02.5'	9-3-59	1250-1358	20	S.Sh.	91	86	--	86' balloon trawl
1217	33°44'	76°58'	9-3-59	1510-1610	22-23	S.Sh.	88	86	--	86' balloon trawl
1218	33°45.2'	76°50.5'	9-3-59	1715-1812	23-24	S.Sh.	89	86	--	86' balloon trawl
1219	33°43'	76°45'	9-3-59	1910-2010	30	S.Sh.	82	86	--	86' balloon trawl
1220	33°48'	76°42.5'	9-3-59	2200-2300	26-25	S.Sh.	82	--	--	86' balloon trawl
1221	33°50'	76°55'	9-4-59	0554-0654	20	S.Sh.	81	--	--	86' balloon trawl
1222	33°57.5'	77°01.5'	9-4-59	0810-0910	17-16	S.Sh.	88	--	--	86' balloon trawl
1223	34°01'	77°08'	9-4-59	1035-1135	15	S.Sh.	88	85.5	--	86' balloon trawl
1224	34°07'	77°19'	9-4-59	1300-1400	13	S.Sh.	89	85.5	--	86' balloon trawl
1225	34°09'	77°23.5'	9-4-59	1530-1745	12	S.Sh.	78	86	--	86' balloon trawl
1226	34°16.5'	77°34'	9-4-59	1855-1955	8-7	S.Sh.	75	85	--	86' balloon trawl
1227	34°21'	77°34.5'	9-4-59	2015-2115	7-8	S.	76	85	--	86' balloon trawl
1228	34°19'	77°19.5'	9-5-59	0548-0648	10	S.Sh.	80	85.5	--	80' balloon trawl
1229	34°15.5'	77°07.5'	9-5-59	0820-0920	14-15	S.Sh.	--	86	--	80' balloon trawl
1230	34°09'	76°55'	9-5-59	1058-1200	17	S.Sh.	88	86	--	80' balloon trawl
1231	34°05.5'	76°45'	9-5-59	1333-1433	20	S.Sh.	85	86	--	80' balloon trawl
1232	34°02.5'	76°34'	9-5-59	1605-1705	21-22	S.Sh.	84	86	--	80' balloon trawl
1233	34°00.5'	76°21'	9-5-59	1840-1940	30-33	S.Sh.	82	86	--	80' balloon trawl
1234	33°58.5'	76°22'	9-5-59	2030-2053	39-50	S.	82	86	--	80' balloon trawl
1235	34°07.5'	76°22.5'	9-5-59	2214-2314	22-21	S.	80	86	--	80' balloon trawl
1236	34°13.5'	76°36.5'	9-6-59	0537-0630	18	S.Sh.	83	86	--	80' balloon trawl
1237	34°22'	76°41.5'	9-6-59	0804-0904	14-15	G.Sh.	84	86	--	65' balloon trawl
1238	34°24'	76°46.5'	9-6-59	1015-1115	14-12	S.G.	88	86	--	65' balloon trawl
1239	34°31'	76°53'	9-6-59	1228-1328	14-12	S.	88	86	--	80' balloon trawl
1240	34°38'	76°49'	9-6-59	1430-1550	7	--	88	86	--	80' balloon trawl
1241	34°37'	76°46'	9-6-59	1615-1715	7	S.	88	86	--	80' balloon trawl
1242	34°31.5	76°35.5'	9-6-59	1838-2008	9	S.	84	85.5	--	80' balloon trawl
1243	34°21'	76°29.8'	9-6-59	2122-2252	10-11	S.	82	86	--	80' balloon trawl
1244	34°16'	76°22'	9-7-59	0535-0618	16	G.S.	79	86	--	80' balloon trawl
1245	34°10.7'	76°15'	9-7-59	0830-0930	22	S.	86	86	--	86' balloon trawl
1246	34°14'	76°08'	9-7-59	1048-1205	32-33	S.	89	86	--	86' balloon trawl
1247	34°14'	76°01.5'	9-7-59	1325-1420	33-24	S.	89	86	--	86' balloon trawl
1248	34°22.5'	76°13.5'	9-7-59	1537-1650	13-15	S.	88	86	--	86' balloon trawl
1249	34°27'	76°20.5'	9-7-59	1740-1840	7	S.	81	86	--	86' balloon trawl
1250	34°35'	76°23.5'	9-7-59	1945-2045	11-10	S.	80	86	--	86' balloon trawl
1251	34°40'	76°23.5'	9-8-59	0535-0635	8	S.	78	--	--	86' balloon trawl
1252	34°47'	76°20.5'	9-8-59	0735-0835	9-11	S.	82	86	--	86' balloon trawl
1253	34°47'	76°17.5'	9-8-59	0915-1015	11-9	S.	83	85	--	86' balloon trawl
1254	34°50.5'	76°14.2'	9-8-59	1147-1305	12-11	S.	83	85	--	86' balloon trawl
1255	34°55.5'	76°09'	9-8-59	1410-1440	9-11	S.	85	85	--	86' balloon trawl
1256	34°54.6'	76°03'	9-8-59	1645-1815	10-11	S.	81	85	--	86' balloon trawl
1257	34°56.5'	75°56'	9-8-59	1920-2020	14-13	S.	80	85	--	86' balloon trawl
1258	34°58.5'	75°54'	9-8-59	2042-2242	13-14	S.	79	85	--	86' balloon trawl
1259	34°31.5'	76°51'	9-10-59	0722-0822	11	S.	78	--	--	86' balloon trawl
1260	34°31.5'	76°40.5'	9-10-59	1138-1238	10	S.	88	--	--	86' balloon trawl
1261	34°24'	76°23.5'	9-10-59	1454-1610	11	S.	85	--	--	86' balloon trawl
1262	34°39.5'	76°27.5'	9-10-59	1832-2032	6-7	S.	79	--	--	86' balloon trawl
1263	34°46'	76°23'	9-11-59	0555-0655	4½-6	S.	75	--	--	86' balloon trawl
1264	34°47'	76°21.5'	9-11-59	0802-0902	4-5	S.	81	84	--	86' balloon trawl
1265	34°46'	76°12.5'	9-11-59	1020-1120	12½	S.	83	84	--	86' balloon trawl
1266	34°39'	76°13'	9-11-59	1240-1340	17	S.	82	84	--	86' balloon trawl
1267	34°35.5'	75°55.5'	9-11-59	1535-1635	24	S.	79	84	--	86' balloon trawl
1268	34°37.5'	75°48'	9-11-59	1850-2050	31-30	S.	79	85	--	86' balloon trawl
1269	34°32'	75°57'	9-12-59	0553-0708	25	S.Sh.	76	85	--	86' balloon trawl
1270	34°39'	76°01.7'	9-12-59	0920-1020	20	S.Sh.	86	85	--	86' balloon trawl
1271	34°44'	75°53.5'	9-12-59	1212-1314	17	S.	--	85	--	86' balloon trawl
1272	34°54'	75°54.5'	9-12-59	1412-1612	14-15	S.Sh.	82	85	--	86' balloon trawl
1273	34°46.5'	76°04'	9-12-59	1730-1930	17	S.Sh.	78	85	--	86' balloon trawl
1274	34°14'	76°00'	9-17-59	1705-1805	100	M.	74	82	--	54/74' roller trawl
1275	34°12.5'	76°03.2'	9-17-59	1838-1928	110	M.	77	82	--	54/74' roller trawl
1276	34°09.5'	76°08'	9-17-59	2000-2050	120	M.	77	82	--	54/74' roller trawl
1277	34°06'	76°08'	9-17-59	2118-2208	130	M.	76	82	--	54/74' roller trawl
1278	34°03'	76°11.4'	9-17-59	2235-2315	135	M.	72	82	--	54/74' roller trawl
1279	35°20'	74°56'	9-20-59	0725-0825	105-85	M.	76	79	--	54/74' roller trawl
1280	35°16.5'	75°00'	9-20-59	0900-1000	75-95	M.	74	79	--	54/74' roller trawl
1281	35°00'	75°17'	9-20-59	1255-1355	102-105	M.	76	73	--	54/74' roller trawl
1282	34°56'	75°20.5'	9-20-59	1425-1525	105	M.	75	73	--	54/74' roller trawl
1283	34°52'	75°27.5'	9-20-59	1550-1650	98-97	M.	78	73	--	54/74' roller trawl
1284	34°38.5'	76°40.5'	9-22-59	0602-0702	6-8	M.	74	75.5	--	86' balloon trawl
1285	34°40.5'	76°47.7'	9-22-59	0740-0840	7-5	M.	76	75.5	--	86' balloon trawl
1286	34°40.5'	76°51.5'	9-22-59	0905-1005	5-6½	gy.S.	76	75.5	--	86' balloon trawl
1287	34°40.7'	76°48.5'	9-22-59	1030-1130	5-7.5	gy.S.	77	75.5	--	86' balloon trawl
1288	34°41'	76°50'	9-22-59	1805-1935	7-5	gy.S.	75	77	--	86' balloon trawl
1289	34°41'	76°51'	9-22-59	2040-2140	7-5	gy.S.	75	77	--	86' balloon trawl
1290	34°41'	76°48.5'	9-22-59	2210-2310	4½-8	gy.S.	75	77	--	86' balloon trawl
1291	34°38.5'	76°49.4'	9-22-59	2332-0100	8-10	gy.S.	74	77	--	86' balloon trawl
1292	34°33'	76°50'	9-23-59	--	10	--	75	77	--	Night light station
1293	34°32'	76°49.5'	9-23-59	0645-0745	10-10½	S.Sh.	74	77	--	86' balloon trawl
1294	34°25.2'	76°51.6'	9-23-59	0837-0937	12-13	Sh.	76	77	--	86' balloon trawl
1295	34°23.7'	76°54'	9-23-59	1032-1202	13-15	Sh.	78	--	--	54/74' roller trawl
1296	34°13'	76°48'	9-23-59	1327-1427	17	Sh.S.	78	83	--	54/74' roller trawl
1297	34°09'	76°36.5'	9-23-59	1605-1705	19-20	S.Sh.	77	85	--	54/74' roller trawl
1298	34°07'	76°32'	9-23-59	1737-1837	20-19	S.Sh.	78	84	--	54/74' roller trawl
1299	34°21'	76°34'	9-23-59	2045-2125	14	--	78	--	--	54/74' roller trawl
1300	34°22.5'	76°34'	9-23-59	--	10	--	76	--	--	Night light station

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1101	19°41'	91°51'	4-10-59	0535-0650	25	M.Sp.	78	80	--	54/74' roller trawl
1102	19°45'	91°51'	4-10-59	0725-0905	27	M.Sp.	85	80	--	54/74' roller trawl
1103	19°42'	91°49'	4-10-59	0945-1045	27	M.Sp.	85	80	--	54/74' roller trawl
1104	19°40'	91°53'	4-10-59	1305-1425	27	M.Sp.	86	80	--	54/74' roller trawl
1105	19°41'	91°52'	4-10-59	1500-1615	26	M.Sp.	88	80	--	54/74' roller trawl
1106	19°43'	91°51'	4-10-59	1635-1805	25	M.Sp.	80	80	--	54/74' roller trawl
1107	19°41'	91°52'	4-10-59	1830-1930	25	M.Sp.	--	80	--	54/74' roller trawl
1108	19°39'	91°59'	4-11-59	0540-0635	28	M.Sp.	79	80	--	54/74' roller trawl
1109	19°41'	91°57'	4-11-59	0725-0915	26	M.Sp.	82	80	--	54/74' roller trawl
1110	19°41'	91°57'	4-11-59	1000-1105	26	M.Sp.	83	80	--	54/74' roller trawl
1111	19°39'	91°58'	4-11-59	1135-1250	26	M.Sp.	88	80	--	54/74' roller trawl
1112	19°37'	91°59'	4-11-59	1315-1445	26-30	M.Sp.	88	80	--	54/74' roller trawl
1113	19°44'	91°50'	4-11-59	1815-1935	27	M.Sp.	86	80	--	54/74' roller trawl
1114	19°47'	91°51'	4-12-59	0605-0655	27	M.Sp.Co.	78	80	--	54/74' roller trawl
1115	19°50'	91°48'	4-12-59	0855-0915	25	M.Sp.	80	80	--	54/74' roller trawl
1116	19°51'	91°42'	4-12-59	1305-1435	23	M.S.	88	80	--	54/74' roller trawl
1117	19°55'	91°42'	4-12-59	1455-1625	21	M.	87	80	--	54/74' roller trawl
1118	19°58'	91°47'	4-12-59	1725-1850	24	M.Sp.	79	80	--	54/74' roller trawl
1119	19°33'	91°56'	4-13-59	0605-0650	25	M.Sp.	78	80	--	54/74' roller trawl
1120	24°10'	97°27'	4-20-59	1245-1325	25	M.Co.	85	70	--	88' roller trawl
1121	24°01'	97°25'	4-20-59	1525-1655	25	M.	76	70	--	88' roller trawl
1122	23°57'	97°24'	4-20-59	--	35	M.	74	73	--	88' roller trawl
1123	20°02'	91°58'	4-23-59	0625-0740	30	M.Sp.	77	79.5	--	88' roller trawl
1124	20°02'	91°58'	4-23-59	0855-1030	30	M.Sp.	82	79.5	--	88' roller trawl
1125	20°04'	91°50'	4-23-59	1100-1220	26	M.Co.Sp.	84	80	--	88' roller trawl
1126	19°54'	91°48'	4-25-59	0620-0745	24	M.Sh.	76	78	--	54/74' roller trawl
1127	19°50'	91°48'	4-25-59	0815-1000	24	M.Co.Sp.	76	78	--	54/74' roller trawl
1128	19°45'	91°48'	4-25-59	1055-1200	30	M.Co.Sp.	80	78	--	54/74' roller trawl
1129	19°40'	91°48'	4-25-59	1225-1340	27	M.Sp.Co.	82	78	--	54/74' roller trawl
1130	19°40'	91°48'	4-25-59	1400-1450	27	M.Sp.Co.	83	78	--	54/74' roller trawl
1131	19°42'	91°47'	4-25-59	1515-1650	27-30	M.Sp.Co.	74	78	--	54/74' roller trawl
1132	19°44'	91°47'	4-25-59	1720-1820	29	M.Sp.Co.	80	78	--	54/74' roller trawl
1133	19°48'	91°47'	4-25-59	1850-1920	29	M.Sp.Co.	76	78	--	54/74' roller trawl
1134	19°58'	91°43'	4-26-59	0600-0730	28	M.Sp.Co.	77	78.8	--	54/74' roller trawl
1135	20°03'	91°43'	4-26-59	0800-0930	27	M.Co.Sp.	--	78.8	--	54/74' roller trawl
1136	20°03'	91°48'	4-26-59	0955-1045	27	M.Sp.	82	78.8	--	54/74' roller trawl
1137	20°03'	91°56'	4-26-59	1450-1525	27	M.Sp.Co.	84	78	--	54/74' roller trawl
1138	20°05'	91°55'	4-26-59	--	25	M.Sp.Co.	80	78	--	54/74' roller trawl
1139	20°05'	91°51'	4-26-59	1840-2020	26	M.Sp.Co.	78	78	--	54/74' roller trawl
1140	20°05'	91°51'	4-27-59	0615-0730	25	M.Sp.	74	77.5	--	54/74' roller trawl
1141	20°05'	91°55'	4-27-59	0755-0925	25	M.Sp.	77	78	--	54/74' roller trawl
1142	20°06'	91°55'	4-27-59	0950-1125	25	M.Sp.	78	78	--	54/74' roller trawl
1143	20°05'	91°51'	4-27-59	1145-1315	25	M.Sp.	78	78	--	54/74' roller trawl
1144	20°05'	91°51'	4-27-59	1345-1515	25-35	M.Sp.	82	78	--	54/74' roller trawl
1145	20°06'	92°01'	4-27-59	1545-1715	35-40	M.	80	78	--	54/74' roller trawl
1146	20°02'	92°02'	4-27-59	1740-1950	40-55	M.	78	78	--	54/74' roller trawl
1147	20°02'	92°05'	4-28-59	0530-0700	43	M.Cl.	77	76	--	54/74' roller trawl
1148	20°00'	92°00'	4-28-59	0730-0900	47-38	M.Cl.	76	76	--	54/74' roller trawl
1149	20°00'	92°00'	4-28-59	0935-1105	38-39	M.Cl.	77	76	--	54/74' roller trawl
1150	20°03'	92°02'	4-28-59	1135-1305	37	M.Cl.	82	77	--	54/74' roller trawl
1151	20°00'	92°00'	4-28-59	1340-1510	36-46	M.Cl.	83	77	--	54/74' roller trawl
1152	20°03'	92°02'	4-28-59	1550-1750	37-42	M.Cl.	82	78.6	--	54/74' roller trawl
1153	20°00'	92°00'	4-28-59	1825-1955	39	M.Cl.	78	78.6	--	54/74' roller trawl
1154	20°00'	92°00'	4-29-59	0615-0815	43-38	M.Cl.	78	78	--	54/74' roller trawl
1155	20°03'	92°02'	4-29-59	0850-1050	38-42	M.Cl.	78	78	--	54/74' roller trawl
1156	20°00'	92°00'	4-29-59	1120-1320	32-42	M.Cl.	80	78	--	54/74' roller trawl
1157	20°03'	92°02'	4-29-59	1420-1620	37-41	M.Cl.	82	78.5	--	54/74' roller trawl
1158	20°00'	92°03'	4-29-59	1650-1820	33-32	M.Cl.	79	78.5	--	54/74' roller trawl
1159	20°03'	92°02'	4-29-59	1845-2020	33	M.Cl.	78	78.5	--	54/74' roller trawl
1160	20°00'	92°03'	4-30-59	0535-0735	32-35	M.Cl.	79	78.5	--	54/74' roller trawl
1161	20°03'	92°02'	4-30-59	0805-1005	35-37	M.Cl.	78	79	--	54/74' roller trawl
1162	20°00'	92°03'	4-30-59	1035-1235	37-38	M.Cl.	82	79	--	54/74' roller trawl
1163	20°03'	92°03'	4-30-59	1305-1505	32-37	M.Cl.	84	79.5	--	54/74' roller trawl
1164	20°00'	92°03'	4-30-59	1540-1710	32-39	M.Cl.	82	80	--	54/74' roller trawl
1165	20°03'	92°02'	4-30-59	1745-1850	38	M.Cl.	80	80	--	54/74' roller trawl
1166	20°00'	92°03'	5-1-59	0540-0840	36-40	M.Cl.	79	81.5	--	54/74' roller trawl
1167	20°03'	92°02'	5-1-59	0915-1215	34-32	M.Cl.	80	81.5	--	54/74' roller trawl
1168	20°00'	92°03'	5-1-59	1310-1510	34-46	M.Cl.	82	80.1	--	54/74' roller trawl
1169	20°03'	92°02'	5-1-59	1540-1835	40-35	M.Cl.	82	80.1	--	54/74' roller trawl
1170	20°18'	92°09'	5-2-59	0635-0935	40-38	M.Cl.	79	81	--	54/74' roller trawl
1171	20°18'	92°09'	5-2-59	1015-1245	40	M.Cl.	80	81	--	54/74' roller trawl
1172	20°18'	92°08'	5-2-59	1315-1435	36	M.Cl.	82	81	--	54/74' roller trawl
1173	20°18'	92°09'	5-2-59	1530-1835	36	M.Cl.	82	81	--	54/74' roller trawl
1174	20°18'	92°09'	5-3-59	0720-0900	34	M.Cl.	79	80	--	54/74' roller trawl
1175	20°18'	92°09'	5-3-59	0925-1100	38	M.Cl.	78	80	--	54/74' roller trawl
1176	29°08.5	88°18'	6-2-59	2252-2352	200	M.	79	82	--	40' flat trawl
1177	29°12'	88°03'	6-3-59	0140-0240	200	M.	84	82	--	40' flat trawl
1178	29°09'	88°16'	6-3-59	0413-0613	225	M.	84	82	--	40' flat trawl
1179	29°06'	88°18.5'	6-3-59	0745-0945	250	M.	81	82	--	40' flat trawl
1180	29°07'	88°11'	6-3-59	1130-1400	300	M.	84	82	--	40' flat trawl
1181	29°03'	88°20'	6-3-59	1555-1855	400	M.	85	82	--	40' flat trawl
1182	29°02'	88°09'	6-3-59	2245-0215	600	M.	80	83	--	40' flat trawl
1183	28°43.05'	88°17.05'	6-4-59	0650-1050	800-850	M.	84	82	--	40' flat trawl
1184	23°56'	87°32'	6-5-59	2105-2205	150	M.	84	86	--	40' flat trawl
1185	23°58'	87°29.5'	6-5/6-59	2400-0100	200	M.	82	86	--	40' flat trawl
1186	24°00'	87°12'	6-6-59	0412-0542	350-375	--	82	85	--	40' flat trawl
1187	23°06'	87°11'	6-6-59	1523-1607	150	Rk.	85	85	--	40' flat trawl
1188	24°28'	83°30'	6-7-59	1730-1830	100	M.S.	84	85	--	40' flat trawl
1189	24°20.5'	83°25'	6-7-59	1940-2140	160	M.S.	82	85	--	40' flat trawl
1190	24°28'	83°34'	6-7/8-59	2245-0045	180	M.S.	82	85	--	40' flat trawl
1191	24°28'	83°29'	6-8-59	0153-0353	200	M.S.	81	85	--	40' flat trawl
1192	24°34'	83°35'	6-8-59	0458-0658	220	M.S.	83	85	--	40' flat trawl
1193	24°24.5'	83°30'	6-8-59	0810-1010	250	M.S.	85	85	--	40' flat trawl
1194	24°28.5'	83°33'	6-8-59	1147-0147	300	M.S.	88	84	--	40' flat trawl
1195	24°26'	83°33'	6-8-59	--	350	M.S.	85	84	--	40' flat trawl
1196	24°11'	83°21.5'	6-8-59	1821-2121	400	M.S.	85	85	--	40' flat trawl
1197	24°15'	83°36'	6-8-59	2315-0215	500	M.S.	81	85	--	40' flat trawl
1198	24°11'	83°31'	6-9-59	0500-0900	200	M.S.	81	85	--	40' flat trawl
1199	24°18'	83°18'	6-9-59	1005-1405	200	M.S.	88	85	--	40' flat trawl
1200	25°13'	84°15'	6-8-59	2400-0200	100	M.S.	87	85	--	40' flat trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1501	34°05'	76°25.5'	12-8-59	1940-2040	21	S.Sh.	55	64	69.4	60/80' shrimp trawl
1502	34°00'	76°34'	12-8-59	2228-2328	22	S.Sh.	57	64	69.4	60/80' shrimp trawl
1503	33°48.5'	76°35'	12-9-59	0135-0235	25	S.	59	72	--	60/80' shrimp trawl
1504	33°43'	76°43.5'	12-9-59	0400-0500	25	S.	58	74	--	60/80' shrimp trawl
1505	33°39'	76°48'	12-9-59	0615-0745	55-58	--	58	74	--	60/80' shrimp trawl
1506	33°40.5'	76°59.5'	12-9-59	0927-1057	21-22	--	58	71	--	60/80' shrimp trawl
1507	33°42'	77°11'	12-9-59	1230-1330	21-20	S.Co.	62	69	--	60/80' shrimp trawl
1508	33°48.5'	77°27'	12-9-59	1455-1525	18	S.Sh.	60	66	--	60/80' shrimp trawl
1509	33°58'	77°25'	12-9-59	1805-1815	14	S.Sh.	58	62	--	60/80' shrimp trawl
1510	34°17'	77°06'	12-9-59	2140-2210	14	S.Sh.	58	58	--	8' scallop dredge
1511	34°18'	77°02'	12-9-59	2220-2250	14	--	58	58	--	8' scallop dredge
1512	34°23.5'	76°56.5'	12-10-59	0225-0255	13	S.Sh.	53	54	--	8' scallop dredge
1513	34°29'	76°50'	12-10-59	0345-0417	12	S.Sh.	53	54	--	8' scallop dredge
1514	34°33.5'	76°42'	12-10-59	0505-0532	9-8	S.Sh.	53	54	--	8' scallop dredge
1515	33°57'	76°49.3'	12-11-59	1900-1945	48-55	Co.S.	67	68	--	8' scallop dredge
1516	33°56'	76°50.5'	12-11-59	2023-2053	55-52	Co.S.	67	69	--	8' scallop dredge
1517	33°50.5'	76°51'	12-11-59	2150-2251	96-105	Co.S.	67	77	--	8' scallop dredge
1518	31°27.5'	80°56'	1-13-60	1900-2000	7½	hrd.S.	--	53	--	40' shrimp trawl
1519	31°20.5'	81°04.7'	1-13-60	2145-2245	6-6½	hrd.S.	58	52	--	40' shrimp trawl
1520	31°15.5'	80°52'	1-14-60	0005-0105	5½-9	--	55	54	--	40' shrimp trawl
1521	31°13'	80°38.5'	1-14-60	0212-0312	8½-9	hrd.S.	61	55.5	--	40' shrimp trawl
1522	31°13'	80°25.5'	1-14-60	0510-0610	18	hrd.S.	61	62	--	40' shrimp trawl
1523	31°13.5'	80°10.5'	1-14-60	0742-0842	22-22½	S.Sh.	63	68	--	40' shrimp trawl
1524	31°02'	80°10'	1-14-60	1002-1102	22-21	gy.S.Sh.	60	70	--	40' shrimp trawl
1525	31°00.5'	80°22.5'	1-14-60	1218-1318	19-17	--	60	65.5	65.5	40' shrimp trawl
1526	30°57'	80°34'	1-14-60	1433-1530	17-15	gy.S.Sh.	60	58	--	40' shrimp trawl
1527	30°55'	80°52'	1-14-60	1646-1746	14-12	hrd.S.	60	56	57.3	40' shrimp trawl
1528	30°54'	81°05.5'	1-14-60	1912-2012	7½	hrd.S.	58	56.5	57.2	40' shrimp trawl
1529	30°53'	81°17'	1-14-60	2150-2250	5½-6	hrd.S.	61	56	57.2	40' shrimp trawl
1530	30°42'	81°14'	1-15-60	0020-0125	6½-8	--	60	56	57.3	40' shrimp trawl
1531	30°40'	80°58'	1-15-60	0245-0345	10-11	S.	60	58	57.3	40' shrimp trawl
1532	30°38'	80°46.5'	1-15-60	0505-0605	13	gy.S.Sh.	61	64	--	40' shrimp trawl
1533	30°38.5'	80°33'	1-15-60	0740-0840	18	gy.S.Sh.	61	65	--	40' shrimp trawl
1534	30°39.5'	80°17'	1-15-59	1025-1130	22-23	S.Sh.	69	70	--	40' shrimp trawl
1535	30°34.5'	80°12'	1-15-60	1310-1410	25	S.Sh.	69	70	--	60/80' balloon trawl
1536	30°31.5'	80°31'	1-15-60	1638-1748	19	gy.S.Sh.	69	62	--	60/80' balloon trawl
1537	30°32.5'	80°46.5'	1-15-60	1935-2035	16-15	gy.S.Sh.	66	75	--	60/80' balloon trawl
1538	30°33'	80°49.5'	1-15-60	--	15	--	--	--	--	Night light station
1539	30°39.5'	80°45.5'	1-16-60	0440-0540	15-12	gy.S.Sh.	56	60	--	60/80' balloon trawl
1540	30°48'	81°06.5'	1-16-60	0825-0925	9-8	gy.S.Sh.	56	55	--	60/80' balloon trawl
1541	30°56'	80°56'	1-16-60	1127-1227	11	gy.S.Sh.	68	56	--	60/80' balloon trawl
1542	31°07'	80°50'	1-16-60	1350-1450	11-9	S.Sh.	68	55	57.6	60/80' balloon trawl
1543	31°23'	80°34.5'	1-16-60	1700-1800	10-11	gy.S.Sh.	53	54	--	60/80' balloon trawl
1544	31°22.5'	80°34.5'	1-16-60	1943-2043	14-17	S.gy.Sh.	53	56	--	60/80' balloon trawl
1545	31°27'	80°15'	1-17-60	0500-0600	18-19	gy.S.Sh.	55	66	--	60/80' balloon trawl
1546	31°16'	80°12'	1-17-60	0719-0819	23-21	gy.S.Sh.	55	65	--	60/80' balloon trawl
1547	31°08.5'	80°22.5'	1-17-60	0940-1040	17-18	gy.S.Sh.	55	65	--	60/80' balloon trawl
1548	30°52'	80°18'	1-17-60	1250-1350	22-21	--	70	67	--	60/80' balloon trawl
1549	30°40'	80°15.5'	1-17-60	1510-1610	22-25	--	70	73	--	60/80' balloon trawl
1550	30°34'	80°17'	1-17-60	1735-1835	22-21	--	65	70	--	60/80' balloon trawl
1551	29°50'	80°09'	1-18-60	2030-2330	185	gy.S.	63	73	--	40' shrimp trawl
1552	29°43.5'	80°12'	1-19-60	0040-0340	165	gy.S.	55	75	--	40' shrimp trawl
1553	29°39'	81°06'	1-19-60	1325-1425	10-9	gy.S.	44	60	--	41/47' shrimp trawl
1554	29°24.5'	80°25'	1-19-60	1935-2005	20-22	gy.S.Sh.	51	70	--	8' scallop dredge
1555	29°27'	80°20.2'	1-19-60	2045-2115	24-26	gy.S.Sh.	51	71	--	8' scallop dredge
1556	29°28'	80°18'	1-19-60	2130-2200	26-27	gy.S.Sh.	51	72	--	8' scallop dredge
1557	29°30.5'	80°19'	1-19-60	2225-2255	27-28	gy.S.Sh.	52	73	--	8' scallop dredge
1558	29°33.5'	80°16.5'	1-19-60	2330-2400	36	gy.S.Sh.	53	74	--	8' scallop dredge
1559	29°36'	80°16.5'	1-20-60	0024-0100	38-41	G.S.Sh.	53	74	--	8' scallop dredge
1560	29°38'	80°16.5'	1-20-60	0118-1148	38-41	G.S.Sh.	53	75	--	8' scallop dredge
1561	29°41'	80°15'	1-20-60	0205-0235	51	G.S.Sh.	53	75	--	8' scallop dredge
1562	29°01.5'	80°42'	1-21-60	1322-1422	9	--	40	60	--	41/47' shrimp trawl
1563	29°03'	80°44'	1-21-60	1513-1530	9-10	S.Sh.	40	60	--	8' scallop dredge
1564	29°04.5'	80°45.5'	1-21-60	1556-1611	8-9	S.Sh.	42	60	--	8' scallop dredge
1565	29°04.5'	80°39'	1-21-60	1705-1735	11	S.Sh.	41	61	--	8' scallop dredge
1566	29°03.3'	80°26'	1-21-60	1850-1905	14-15	S.Sh.	47	67	--	8' scallop dredge
1567	29°01.5'	80°13.5'	1-21-60	2014-2029	25-27	S.Sh.	47	69	--	8' scallop dredge
1568	29°03'	80°12'	1-21-60	2040-2055	27-32	S.Sh.	47	72	--	8' scallop dredge
1569	29°03'	80°09.5'	1-21-60	2112-2127	32-37	S.Sh.	47	72	--	8' scallop dredge
1570	29°03.5'	80°08'	1-21-60	2141-2156	37-33	S.Sh.	46	72	--	8' scallop dredge
1571	29°03'	80°15.5'	1-21-60	2247-2302	25-23	S.Sh.	46	70	--	8' scallop dredge
1572	29°02.5'	80°17.5'	1-21-60	2320-2335	23-22	S.Sh.	46	70	--	8' scallop dredge
1573	31°19'	81°11'	1-23-60	1525-1555	5-6	M.Sh.	34	47	--	Fall River clam dredge
1574	31°19'	81°11'	1-23-60	1617-1632	5	M.S.Sh.	34	48	--	Fall River clam dredge
1575	31°17.5'	81°11'	1-23-60	1641-1656	5	M.S.Sh.	34	48	--	14-tooth clam dredge
1576	31°18'	81°11.5'	1-23-60	1705-1715	5-4½	M.Sh.	40	48	--	14-tooth clam dredge
1577	31°15'	81°12'	1-23-60	1731-1746	3½	S.	40	48	--	14-tooth clam dredge
1578	31°12'	81°13.5'	1-23-60	1825-1840	3½-4	M.	40	47	--	14-tooth clam dredge
1579	31°11'	81°14'	1-23-60	1850-1905	4	--	40	47	--	14-tooth clam dredge
1580	31°09.2'	81°16.5'	1-23-60	1924-1939	4	M.Sh.	40	47	--	14-tooth clam dredge
1581	31°06'	81°16'	1-23-60	1958-2013	4-4½	--	40	48	--	14-tooth clam dredge
1582	31°04'	81°16.5'	1-23-60	2030-2045	4-4½	--	40	48	--	14-tooth clam dredge
1583	31°01'	81°17.5'	1-23-60	2105-2122	4½	hrd.S.	40	48	--	14-tooth clam dredge
1584	30°54.5'	81°10.5'	1-24-60	0630-0646	7	--	37	48	--	14-tooth clam dredge
1585	30°55.5'	81°18.5'	1-24-60	0738-0753	4½	hrd.S.	37	48	--	14-tooth clam dredge
1586	30°53.5'	81°19'	1-24-60	0820-0835	4	hrd.S.	37	48	--	14-tooth clam dredge
1587	30°50.5'	81°21'	1-24-60	0859-0902	4½	--	37	48	--	14-tooth clam dredge
1588	30°43.5'	81°21.7'	1-24-60	1010-1025	6-5	M.	37	48	--	14-tooth clam dredge
1589	30°43.8'	81°23.2'	1-24-60	1032-1047	5-4½	M.	37	48	--	14-tooth clam dredge
1590	30°44'	81°24.3'	1-24-60	1108-1123	4½-5½	M.	37	48	--	14-tooth clam dredge
1591	30°44.2'	81°25.8'	1-24-60	1132-1147	5½	M.	42	48	--	14-tooth clam dredge
1592	30°45.4'	81°26.2'	1-24-60	1202-1232	5½	M.	42	46	--	14-tooth clam dredge
1593	30°46.7'	81°25'	1-24-60	1244-1259	5½	M.	42	46	--	14-tooth clam dredge
1594	30°45.1'	81°23.3'	1-24-60	1311-1326	5½	M.	42	46	--	14-tooth clam dredge
1595	30°38.9'	81°23.5'	1-24-60	1400-1416	4½-5½	S.Sh.	44	49	--	14-tooth clam dredge
1596	30°36.9'	81°24.7'	1-24-60	1427-1442	4	--	42	49	--	14-tooth clam dredge
1597	30°33.5'	81°25.5'	1-24-60	1504-1520	5½	--	42	49	--	14-tooth clam dredge
1598	30°39.4'	81°22.4'	1-24-60	1543-1600	6-6½	--	42	53	--	14-tooth clam dredge
1599	30°25.5'	81°24'	1-24-60	1616-1631	5½-6½	--	42	53	--	14-tooth clam dredge
1600	30°24.2'	81°23'	1-24-60	1644-1650	5	--	42	53	--	14-tooth clam dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1601	30°23'	81°23.7'	1-24-60	1715-1719	5	--	42	52	--	14-tooth clam dredge
1602	30°20.1'	81°22.3'	1-24-60	1743-1758	6½	M.	42	52	--	14-tooth clam dredge
1603	30°18'	81°10'	1-24-60	2000-2200	11	--	--	53	--	Night light station
1604	29°50.5'	80°10'	1-25-60	1805-2105	175-155	M.	53	70	--	41/47' shrimp trawl
1605	29°43.5'	80°10.5'	1-25-60	2220-0120	195	M.	53	74	--	41/47' shrimp trawl
1606	29°40'	80°12.5'	1-26-60	0210-0510	180-200	M.	59	75	--	41/47' shrimp trawl
1607	29°34'	80°09.5'	1-26-60	0600-0900	180-225	M.	59	76	--	41/47' shrimp trawl
1608	29°24'	80°06.5'	1-26-60	1125-1425	190-225	M.	69	76	--	41/47' shrimp trawl
1609	29°18'	80°03'	1-26-60	1510-1810	225-175	M.	72	76	--	41/47' shrimp trawl
1610	29°14.5'	80°02'	1-26-60	1905-2205	210-200	M.	72	76	--	41/47' shrimp trawl
1611	29°06'	80°00'	1-26-60	2250-0150	185-210	M.	64	76	--	41/47' shrimp trawl
1612	29°01'	79°58'	1-27-60	0245-0545	200-210	M.	67	76	--	41/47' shrimp trawl
1613	28°58.5'	79°53.5'	1-27-60	0620-0920	230-215	M.	67	76	--	41/47' shrimp trawl
1614	29°19'	79°59.5'	1-27-60	1050-1350	240-250	M.	72	77	--	41/47' shrimp trawl
1615	29°17.5'	79°59'	1-27-60	1515-1815	240-250	M.	70	77	--	41/47' shrimp trawl
1616	29°19'	80°02'	1-27-60	1930-2040	210	M.	70	77	--	41/47' shrimp trawl
1617	29°24.5'	80°06.5'	1-27-60	2300-0200	185	M.	69	77	--	41/47' shrimp trawl
1618	29°21.5'	80°04.5'	1-28-60	0317-0617	210	M.	69	76	--	41/47' shrimp trawl
1619	29°42.5'	80°06'	1-28-60	0905-1205	200-210	M.	67	73	--	41/47' shrimp trawl
1620	29°36'	80°08'	1-28-60	1240-1410	210	M.	67	75	--	Dip station
1621	30°48.5'	80°29'	1-28-60	2140-2240	20	--	61	58	--	41/47' shrimp trawl
1622	30°48.5'	80°40'	1-29-60	0007-0107	16-14	--	61	54	--	41/47' shrimp trawl
1623	30°49'	80°52'	1-29-60	0220-0320	11-10	--	61	52	--	41/47' shrimp trawl
1624	34°28.8'	76°37.2'	2-22-60	0840-0940	9½-11½	S.Sh.	43	46	--	40' 2-seam shrimp trawl
1625	34°19'	76°34.4'	2-22-60	1058-1158	12	S.Sh.	44	48	--	41/47' shrimp trawl
1626	34°08'	76°26.5'	2-22-60	1320-1420	20	S.Sh.	44	60	--	41/47' shrimp trawl
1627	34°16.5'	76°15.5'	2-22-60	1537-1637	18-17	S.Sh.	46	49	--	41/47' shrimp trawl
1628	34°27'	76°06.5'	2-22-60	1800-1902	22	S.Sh.	45	61	--	41/47' shrimp trawl
1629	34°36.5'	76°06'	2-22-60	2015-2115	18½-17½	S.Sh.	40	62	--	41/47' shrimp trawl
1630	34°49'	76°09.5'	2-22-60	2240-2340	12-10	S.G.	40	48	--	41/47' shrimp trawl
1631	34°57'	76°03'	2-23-60	0105-0205	10-9	S.G.	40	47	--	41/47' shrimp trawl
1632	34°59'	75°51'	2-23-60	0320-0420	12	S.	43	48	--	41/47' shrimp trawl
1633	34°58'	75°36.5'	2-23-60	0545-0645	18-17	S.Sh.	40	59	--	41/47' shrimp trawl
1634	35°02'	75°26'	2-23-60	0805-0905	30-32	S.	42	65	--	41/47' shrimp trawl
1635	35°06'	75°08.5'	2-23-60	1045-1215	100	G.Sh.	43	65	--	41/47' shrimp trawl
1636	34°54'	75°22.5'	2-23-60	1412-1543	102-100	S.Sh.	44	65	--	40' 2-seam shrimp trawl
1637	34°48.5'	75°37'	2-23-60	1720-1820	30-25	S.	41	56	61.16	41/47' shrimp trawl
1638	34°49'	75°51'	2-23-60	1952-2052	17-15	S.Sh.	40	57	56.48	41/47' shrimp trawl
1639	34°55'	76°04.5'	2-23-60	2215-2315	12-11	S.Sh.	40	54	--	41/47' shrimp trawl
1640	34°47.5'	76°18.5'	2-23/24-60	2430-0130	9	S.Sh.	40	49	51.8	41/47' shrimp trawl
1641	34°45'	76°21'	2-24-60	0150-0250	9	S.Sh.	40	47	--	41/47' shrimp trawl
1642	34°38.5'	76°24'	2-24-60	0350-0450	9-10	S.Sh.	42	45	--	41/47' shrimp trawl
1643	34°46'	76°08.5'	2-24-60	0607-0709	18-20	S.Sh.	42	59	--	41/47' shrimp trawl
1644	34°36'	76°08.5'	2-24-60	0745-0815	20-19	S.Sh.	45	60	--	8' scallop dredge
1645	34°38'	76°07.5'	2-24-60	0827-0857	19	S.Sh.	44	60	--	8' scallop dredge
1646	34°39'	76°04.5'	2-24-60	1927-0957	19	S.Sh.	46	59	--	8' scallop dredge
1647	34°41.5'	76°00.5'	2-24-60	1032-1107	19	S.Sh.	46	52	--	8' scallop dredge
1648	34°43'	75°55.5'	2-24-60	1137-1207	19	S.Sh.	56	56	--	8' scallop dredge
1649	34°46'	75°56.5'	2-24-60	1237-1307	16	S.	46	56	56.88	8' scallop dredge
1650	34°45'	76°02'	2-24-60	1335-1405	16	S.	46	56	--	8' scallop dredge
1651	34°44'	76°07.5'	2-24-60	1437-1507	16	S.	46	53	56.88	8' scallop dredge
1652	34°36'	76°12.5'	2-24-60	1600-1630	21-20	S.Sh.	46	60	59.0	8' scallop dredge
1653	34°36.5'	76°06.5'	2-24-60	1710-1740	18	S.Sh.	46	60	--	8' scallop dredge
1654	34°38.5'	75°59'	2-24-60	1843-1943	21-20	S.Sh.	53	60	--	41/47' shrimp trawl
1655	34°45'	75°49'	2-24-60	2102-2202	21-18	S.Sh.	57	57	--	41/47' shrimp trawl
1656	34°54.5'	75°41'	2-24-60	2322-0022	20-24	S.	57	63	--	41/47' shrimp trawl
1657	34°45'	75°47'	2-25-60	0150-0250	24-22	S.	57	63	--	41/47' shrimp trawl
1658	34°36'	75°48.5'	2-25-60	0435-0535	32-30	S.Sh.	55	61	--	41/47' shrimp trawl
1659	34°33'	76°48.5'	2-26-60	0858-0958	10-11	G.Sh.	44	63	51.4	41/47' shrimp trawl
1660	34°19.5'	76°46.5'	2-26-60	1122-1222	14-15	S.Sh.	50	57	52.7	41/47' shrimp trawl
1661	34°10'	76°52.5'	2-26-60	1347-1447	16	Sh.S.	50	54	--	40' flat shrimp trawl
1662	34°08'	77°10'	2-26-60	1645-1745	15	S.	50	56	58.8	41/47' shrimp trawl
1663	34°20'	77°22.5'	2-26-60	1940-2040	9-8	S.	46	47	--	41/47' shrimp trawl
1664	34°18.5'	77°34.5'	2-26-60	2145-2245	7	S.	44	45	--	41/47' shrimp trawl
1665	34°09'	77°43'	2-27-60	0000-0100	7	S.Sh.	41	47	--	41/47' shrimp trawl
1666	33°57.5'	77°50.5'	2-27-60	0215-0315	6	S.Sh.	41	47	--	41/47' shrimp trawl
1667	33°45'	77°52'	2-27-60	0430-0530	5	S.G.	39	47	--	41/47' shrimp trawl
1668	33°36.5'	77°40'	2-27-60	0700-0800	6½-9	S.G.	39	48	52.7	41/47' shrimp trawl
1669	33°25.5'	77°31.5'	2-27-60	0920-1020	12-13	S.Sh.	57	52	--	41/47' shrimp trawl
1670	34°11'	77°18'	2-27-60	1220-1350	106-100	S.	58	62	--	41/47' shrimp trawl
1671	33°06'	77°11'	2-27-60	1453-1653	150	M.	59	62	--	41/47' shrimp trawl
1672	33°11'	77°31'	2-27-60	1916-2017	32-30	S.	46	62	--	41/47' shrimp trawl
1673	33°14.5'	77°41'	2-27-60	2137-2237	19	S.	46	60	--	41/47' shrimp trawl
1674	33°21.5'	77°53'	2-28-60	0000-0100	16-15	S.Sh.	47	58	--	41/47' shrimp trawl
1675	33°31.5'	78°05'	2-28-60	0215-0315	13-11	S.	47	51	--	41/47' shrimp trawl
1676	33°38.5'	78°09.5'	2-28-60	0425-0525	9	S.	46	48	--	41/47' shrimp trawl
1677	33°50.15'	78°04.07'	2-28-60	0707-0722	5-5½	M.	45	47	--	14-tooth clam dredge
1678	33°50.15'	78°05'	2-28-60	0730-0745	5½-6	M.	46	47	--	14-tooth clam dredge
1679	33°51'	78°05'	2-28-60	0802-0815	5½-5	M.	54	47	--	14-tooth clam dredge
1680	33°53.1'	78°04.5'	2-28-60	0851-0906	3½	M.	--	47	--	14-tooth clam dredge
1681	33°50'	78°01'	2-28-60	0947-1002	4	M.	64	47	--	14-tooth clam dredge
1682	33°49'	78°02'	2-28-60	1035-1050	6-6½	M.	64	47	--	14-tooth clam dredge
1683	33°48'	78°02.5'	2-28-60	1100-1115	6½-6	M.	64	47	--	14-tooth clam dredge
1684	33°49'	78°02'	2-28-60	1132-1147	6-5½	M.	64	48	--	14-tooth clam dredge
1685	33°48.2'	78°01'	2-28-60	1155-1210	5½	M.	64	48	--	14-tooth clam dredge
1686	33°47'	78°01'	2-28-60	1220-1235	5½	M.	64	48	--	14-tooth clam dredge
1687	33°47.2'	77°59.8'	2-28-60	1240-1255	5½	M.	64	48	--	14-tooth clam dredge
1688	33°49'	78°02'	2-28-60	1337-1400	5-4½	M.	64	48	--	14-tooth clam dredge
1689	33°50'	78°01'	2-28-60	1427-1442	4-4½	M.	54	48	51.44	14-tooth clam dredge
1690	33°45'	77°58.5'	2-28-60	1525-1545	6½-7	S.	54	48	--	14-tooth clam dredge
1691	33°22.5'	77°29.5'	2-28-60	2025-2125	14-18	S.G.	61	56	--	41/47' shrimp trawl
1692	33°21'	77°17.5	2-28-60	2250-2350	25-26	S.G.	61	60	--	41/47' shrimp trawl
1693	33°25'	77°00'	2-29-60	0115-0245	102-104	M.	61	65	--	41/47' shrimp trawl
1694	33°36'	76°44'	2-29-60	0435-0605	104	M.S.	58	65	--	41/47' shrimp trawl
1695	33°57.5'	77°01'	2-29-60	1007-1030	19	Sh.	60	56	--	8' scallop dredge
1696	33°57'	76°54.5'	2-29-60	1131-1201	18	S.Sh.	56	57	--	8' scallop dredge
1697	34°01'	76°51'	2-29-60	1234-1305	18	S.Sh.	56	57	59.5	8' scallop dredge
1698	34°03.5'	76°44'	2-29-60	1400-1430	20	S.Sh.	56	56	--	8' scallop dredge
1699	34°05.5'	76°43.5'	2-29-60	1512-1542	21	S.Sh.	56	55	--	8' scallop dredge
1700	34°09.5'	76°31'	2-29-60	1645-1715	17	S.	56	59	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1701	34°12'	76°29.5'	2-29-60	1728-1758	17	S.	50	59	--	8' scallop dredge
1702	34°17.5'	76°33.5'	2-29-60	1852-1922	17	S.Co.	50	59	61.3	8' scallop dredge
1703	34°14'	76°40'	2-29-60	2008-2038	16-18	Sh.Co.	50	59	--	8' scallop dredge
1704	34°13'	76°48.5'	2-29-60	2125-2155	16-17	Sh.Co.	48	53	--	8' scallop dredge
1705	34°12.5'	77°00'	3-1-60	0115-0145	15	S.	46	54	--	8' scallop dredge
1706	34°16'	77°05'	3-1-60	0235-0305	13	S.	41	48	--	8' scallop dredge
1707	34°39'	76°35'	3-2-60	0750-0805	6	M.	32	45	--	14-tooth clam dredge
1708	34°38'	76°35'	3-2-60	0817-0832	6	S.M.	36	47	--	14-tooth clam dredge
1709	34°37'	76°35'	3-2-60	0842-0857	7-7½	M.	36	47	--	14-tooth clam dredge
1710	34°36'	76°35'	3-2-60	0905-0935	7½-7	M.	38	48	--	14-tooth clam dredge
1711	34°35'	76°33'	3-2-60	0949-1019	5	M.	40	47	--	14-tooth clam dredge
1712	34°36.5'	76°34.6	3-2-60	1029-1059	5	M.	40	46	--	14-tooth clam dredge
1713	34°36.5'	76°34.6'	3-2-60	--	8-6	M.	40	46	--	14-tooth clam dredge
1714	34°37.1'	76°33.8'	3-2-60	1152-1222	6	M.S.	40	48	--	14-tooth clam dredge
1715	34°37.5'	76°33.6'	3-2-60	1232-1307	6-4	M.	35	47	--	14-tooth clam dredge
1716	34°39.5'	76°35'	3-2-60	1312-1342	4-5	S.M.	35	47	--	14-tooth clam dredge
1717	34°39.6'	76°36.6'	3-2-60	1350-1422	5-5½	M.	33	46	--	14-tooth clam dredge
1718	34°39.7'	76°38'	3-2-60	1432-1502	5½	M.	32	45	--	14-tooth clam dredge
1719	34°39.4'	76°39.9'	3-2-60	1510-1540	5½	S.M.	30	45	--	14-tooth clam dredge
1720	34°39.5'	76°41.5'	3-2-60	1550-1620	7	S.M.	30	44	--	14-tooth clam dredge
1721	33°48.5'	78°13.5'	3-5-60	2100-2200	8-6½	S.Sh.	28	42	--	41/47' shrimp trawl
1722	33°48.5'	78°26.5'	3-5/6-60	2355-0055	5	S.Sh.	28	42	--	41/47' shrimp trawl
1723	33°43.5'	78°41'	3-6-60	0220-0320	5	S.Sh.	26	41	--	41/47' shrimp trawl
1724	33°36.5'	78°52.5'	3-6-60	0435-0535	5	S.Sh.	25	41	--	41/47' shrimp trawl
1725	33°24.5'	78°57.5'	3-6-60	0657-0757	5-6½	S.Sh.	25	41	--	41/47' shrimp trawl
1726	33°12'	79°03.5'	3-6-60	0910-1010	5	S.Sh.	42	44	--	41/47' shrimp trawl
1727	33°04.5'	78°55'	3-6-60	1125-1225	7½-8½	S.	44	47	53.96	41/47' shrimp trawl
1728	33°09'	78°45.5'	3-6-60	1340-1440	10	S.Sh.	32	48	--	41/47' shrimp trawl
1729	33°17'	78°35'	3-6-60	1555-1655	10½-11	S.Sh.	38	49	54.5	41/47' shrimp trawl
1730	33°26'	78°30'	3-6-60	1816-1916	11-12	S.Sh.	36	50	--	41/47' shrimp trawl
1731	33°23.5'	78°20'	3-6-60	2032-2132	13-14	S.	38	56	--	41/47' shrimp trawl
1732	33°09.5'	78°20'	3-6-60	2312-2412	16	S.	38	58	--	41/47' shrimp trawl
1733	33°00.5'	78°26'	3-7-60	0132-0232	17	S.Sh.	37	60	58.55	41/47' shrimp trawl
1734	32°51.5'	78°39'	3-7-60	0405-0505	17	S.Sh.	37	57	58.55	41/47' shrimp trawl
1735	32°46'	78°50'	3-7-60	0625-0725	22	S.Sh.	38	60	61.88	41/47' shrimp trawl
1736	32°53.5'	78°19'	3-7-60	0844-0944	20-19	S.Sh.	40	62	--	41/47' shrimp trawl
1737	33°00.5'	78°10'	3-7-60	1102-1202	18	S.	44	62	--	41/47' shrimp trawl
1738	33°04'	77°59'	3-7-60	1315-1415	20½-21	S.Sh.	44	65	--	41/47' shrimp trawl
1739	32°56.5'	77°47.5'	3-7-60	1555-1725	100-102	S.	46	62	--	41/47' shrimp trawl
1740	32°48.5'	77°57'	3-7-60	1655-1825	125-128	S.	43	62	--	41/47' shrimp trawl
1741	32°41'	78°16.5'	3-7-60	2255-2306	102	S.	44	64	--	41/47' shrimp trawl
1742	32°41'	78°27'	3-8-60	0105-0250	68-45	S.	40	66	--	41/47' shrimp trawl
1743	32°37.5'	78°49'	3-8-60	0422-0522	21-18	S.M.	43	59	--	41/47' shrimp trawl
1744	32°43.5'	78°59'	3-8-60	0644-0744	14	S.Sh.	44	50	--	41/47' shrimp trawl
1745	32°52'	79°07'	3-8-60	0910-1010	11-10	S.Sh.	35	48	--	41/47' shrimp trawl
1746	32°59'	79°06'	3-8-60	1123-1223	5	S.Sh.	35	46	--	41/47' shrimp trawl
1747	32°54'	79°22.5'	3-8-60	1325-1425	5-6	S.Sh.	38	47	--	41/47' shrimp trawl
1748	32°44.5'	79°18.5'	3-8-60	1540-1640	10	S.G.	42	56.3	55.4	41/47' shrimp trawl
1749	32°33.5'	79°20.5'	3-8-60	--	13-15	S.G.	44	62	60.26	41/47' shrimp trawl
1750	32°26.5'	79°10'	3-8-60	2029-2129	21-22	S.Co.	44	62	--	41/47' shrimp trawl
1751	32°21.5'	78°57'	3-8-60	2255-2355	40	S.Co.	43	62	--	41/47' shrimp trawl
1752	32°21'	78°49'	3-9-60	0155-0325	98-103	S.	44	63	--	41/47' shrimp trawl
1753	32°15'	78°55.5'	3-9-60	0410-0610	102-105	S.	46	63	--	41/47' shrimp trawl
1754	32°06.5'	79°11.5'	3-9-60	0740-0840	49-50	S.	48	62	--	41/47' shrimp trawl
1755	32°08.5'	79°23.5'	3-9-60	1002-1102	22	gy.S.	48	62	--	41/47' shrimp trawl
1756	32°39.5'	79°21.5'	3-10-60	1308-1338	10-10½	S.Sh.	42	48	--	8' scallop dredge
1757	32°43.5'	79°16.5'	3-10-60	1412-1443	10½	S.Sh.	42	50	--	8' scallop dredge
1758	32°42'	79°13.5'	3-10-60	1522-1552	12	S.Sh.	42	53	--	8' scallop dredge
1759	32°39.5'	79°13'	3-10-60	1600-1630	14½	S.Sh.	42	61	--	8' scallop dredge
1760	32°40'	79°07'	3-10-60	1710-1740	14½-15½	S.Sh.	45	61	58.1	8' scallop dredge
1761	32°42'	78°58.5'	3-10-60	1822-1852	16-16½	S.Sh.	45	61	--	8' scallop dredge
1762	32°42'	78°51'	3-10-60	1938-2008	17-18	S.Sh.	45	60	--	8' scallop dredge
1763	32°39'	78°43'	3-10-60	2052-2122	21	S.Sh.	45	61	61.9	8' scallop dredge
1764	32°38.5'	78°35.5'	3-10-60	2213-2228	27	S.Sh.	45	61	--	8' scallop dredge
1765	32°34'	78°39'	3-11-60	0445-0115	25	S.Sh.	45	63	--	8' scallop dredge
1766	32°15'	79°05.5'	3-11-60	0510-0610	40-38	S.	45	68	--	41/47' shrimp trawl
1767	32°08.5'	79°17.5'	3-11-60	0740-0840	33	S.	50	64	--	41/47' shrimp trawl
1768	31°19'	80°33.5'	3-13-60	1342-1412	14½-15½	Sh.	48	54	--	8' scallop dredge
1769	31°20.5'	80°29'	3-13-60	1450-1520	16-15½	S.Sh.	48	52	--	8' scallop dredge
1770	31°23'	80°16.5'	3-13-60	1603-1634	20	--	50	51	53.8	8' scallop dredge
1771	31°23'	80°16.5'	3-13-60	1720-1750	20½-22	S.Sh.	50	49	--	8' scallop dredge
1772	31°24'	80°10.5'	3-13-60	1905-1935	22½	S.Sh.	50	48	--	8' scallop dredge
1773	31°24.5'	80°01.5'	3-13-60	2017-2047	23½-25	S.Sh.	48	48	--	8' scallop dredge
1774	31°28'	80°02'	3-13-60	2132-2202	22½	S.Sh.	46	46	60.8	8' scallop dredge
1775	31°32'	80°07'	3-13-60	2252-2322	18	S.Sh.	46	46	--	8' scallop dredge
1776	31°34.5'	80°15'	3-14-60	0005-0035	17-16	S.Sh.	46	50	--	8' scallop dredge
1777	31°40'	80°21'	3-14-60	0115-0145	15-14½	S.Sh.	46	50	--	8' scallop dredge
1778	31°41'	80°14'	3-14-60	0225-0255	14½-15½	S.Sh.	46	51	--	8' scallop dredge
1779	31°42.5'	80°04'	3-14-60	0338-0408	18-19	S.Sh.	46	56	--	8' scallop dredge
1780	31°43.5'	79°57.5'	3-14-60	0450-0520	20-21	S.Sh.	46	60	--	8' scallop dredge
1781	31°45.5'	79°47.5'	3-14-60	0606-0636	22-23	S.Sh.	48	64	60.98	8' scallop dredge
1782	31°49.5'	79°56.5'	3-14-60	0720-0750	19	S.Sh.	48	63	--	8' scallop dredge
1783	31°53'	79°49'	3-14-60	0833-0903	19-22	S.	54	62	--	8' scallop dredge
1784	31°56'	79°49.5'	3-14-60	0945-1015	19-17	S.	55	59	--	8' scallop dredge
1785	31°58'	79°47.5'	3-14-60	1100-1130	16-18	S.Sh.	56	61	--	8' scallop dredge
1786	32°00.5'	79°39'	3-14-60	1210-1240	23	S.	55	64	--	8' scallop dredge
1787	32°00.5'	79°32'	3-14-60	1320-1350	25-26	gy.S.	55	65	--	8' scallop dredge
1788	32°01'	79°24'	3-14-60	1435-1505	35-45	gy.S.	50	66	--	8' scallop dredge
1789	32°01.5'	79°14.5'	3-14-60	1551-1621	55-70	S.	50	68	--	8' scallop dredge
1790	32°02.5'	79°07'	3-14-60	1738-1823	100-103	S.Sh.	51	68	--	8' scallop dredge
1791	31°58.5'	79°12.5'	3-14-60	--	90	M.	56	68	--	70/90' fish trawl
1792	31°58'	79°11'	3-14-60	--	100	--	56	66	--	Dip station
1793	32°07.5'	79°21'	3-15-60	0010-0040	25	S.	60	64	--	8' scallop dredge
1794	32°10'	79°22.5'	3-15-60	0125-0215	20½-21	S.	60	60	--	8' scallop dredge
1795	32°28.5'	79°59'	3-16-60	1548-1648	5½-6	Sh.	55	44	--	41/47' shrimp trawl
1796	32°14'	79°57'	3-16-60	1826-1926	12-13	S.Sh.	48	53	--	41/47' shrimp trawl
1797	32°04'	79°51'	3-16-60	2045-2145	14-15	S.Sh.	45	60	--	41/47' shrimp trawl
1798	31°52.5'	79°49.5'	3-16-60	2305-0005	20	S.	48	61	--	41/47' shrimp trawl
1799	31°54'	79°57.5'	3-17-60	0117-0217	18-13	S.Sh.	48	62	--	41/47' shrimp trawl
1800	32°04'	80°06'	3-17-60	0332-0432	11-10	S.Sh.	48	56	54.32	41/47' shrimp trawl

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1801	32°09'	80°21'	3-17-60	0545-0645	8½	gy.S.Sh.	40	48	--	41/47' 2-seam shrimp trawl
1802	31°59.5'	80°20'	3-17-60	0800-0900	13-14	S.Sh.	40	49	--	41/47' 2-seam shrimp trawl
1803	31°50'	80°09'	3-17-60	1015-1115	12-16½	S.G.Sh.	50	51	--	41/47' 2-seam shrimp trawl
1804	31°40.5'	80°02'	3-17-60	1230-1330	20-21	gy.S.Sh.	50	63	--	41/47' 2-seam shrimp trawl
1805	31°31'	79°53'	3-17-60	1445-1545	22	gy.S.Sh.	50	64	--	41/47' 2-seam shrimp trawl
1806	31°32'	80°05'	3-17-60	1700-1800	19	gy.S.Sh.	50	63	--	41/47' 2-seam shrimp trawl
1807	31°40'	80°18'	3-17-60	1917-2017	13-14	S.	53	55	--	41/47' 2-seam shrimp trawl
1808	31°28.5'	80°27'	3-17-60	2130-2230	14	S.	50	52	--	41/47' 2-seam shrimp trawl
1809	31°26'	80°18.5'	3-17/18-60	2345-0045	20	S.Sh.	60	57	--	41/47' 2-seam shrimp trawl
1810	30°54'	80°29'	4-13-60	1506-1536	20	gy.S.Sh.	68	63	--	8' scallop dredge
1811	30°54.5'	80°22.5'	4-13-60	1546-1601	20	gy.S.Sh.	68	64	--	8' scallop dredge
1812	30°52.5'	80°15'	4-13-60	1715-1730	21	gy.S.Sh.	74	66	--	8' scallop dredge
1813	30°56'	80°13'	4-13-60	1800-1815	22	gy.S.Sh.	74	69	66.38	8' scallop dredge
1814	30°58.5'	80°11.5'	4-13-60	1842-1855	21	gy.S.Sh.	--	69	--	8' scallop dredge
1815	30°59.5'	80°10.5'	4-13-60	1914-1929	21	S.Sh.	74	68	--	8' scallop dredge
1816	31°00'	80°07'	4-13-60	2000-2030	22	S.Sh.	74	73	--	8' scallop dredge
1817	31°03.5'	80°00.5'	4-13-60	2133-2203	25	S.Sh.	70	73	--	8' scallop dredge
1818	31°00.5'	80°04'	4-13-60	2255-2325	22-21	S.Sh.	70	73	--	8' scallop dredge
1819	29°35'	80°30.5'	4-13-60	1002-1032	17-16½	Sh.gy.S.	68	65	--	8' scallop dredge
1820	29°33'	80°25.5'	4-14-60	1059-1129	19	gy.S.Sh.	70	68	61.52	8' scallop dredge
1821	29°32'	80°23.5'	4-14-60	1145-1215	20	gy.S.Sh.	72	62	--	8' scallop dredge
1822	29°28.5'	80°19.5'	4-14-60	1326-1356	21	gy.S.Sh.	73	72	--	8' scallop dredge
1823	29°28'	80°16.5'	4-14-60	1430-1500	30-27	gy.S.Sh.	73	71	--	8' scallop dredge
1824	29°25'	80°12.5'	4-14-60	1530-1550	40	gy.S.	71	71	--	8' scallop dredge
1825	29°23.5'	80°17.5'	4-14-60	1620-1650	27-26	gy.S.	69	70	--	8' scallop dredge
1826	29°20.5'	80°19'	4-14-60	1725-1755	23	gy.S.Sh.	80	68	--	8' scallop dredge
1827	29°17.5'	80°23.5'	4-14-60	1825-1855	18	gy.S.Sh.	80	67	60.8	8' scallop dredge
1828	29°15'	80°25'	4-14-60	1925-1955	15-16	S.Sh.	80	66	--	8' scallop dredge
1829	29°12.5'	80°29'	4-14-60	2025-2055	15	S.Sh.	75	66	--	8' scallop dredge
1830	29°12.5'	80°32.5'	4-14-60	2128-2200	15	S.Sh.	75	66	--	8' scallop dredge
1831	29°08'	80°35'	4-14-60	2228-2258	13	S.Sh.	75	66	--	8' scallop dredge
1832	29°05.5'	80°38.5'	4-14-60	2327-2357	10	S.Sh.	68	66	--	8' scallop dredge
1833	29°03.5'	80°37'	4-15-60	0025-0555	10-11	G.S.	68	65	--	8' scallop dredge
1834	29°03.5'	80°31'	4-15-60	0127-0157	11	G.S.	67	65	67.1	8' scallop dredge
1835	29°04'	80°30'	4-15-60	0228-0300	13-14	gy.S.Sh.	68	65	--	8' scallop dredge
1836	29°06'	80°25'	4-15-60	0310-0340	14	gy.S.Sh.	68	66	--	8' scallop dredge
1837	29°09'	80°23.5'	4-15-60	0410-0440	14-16	gy.S.Sh.	68	65	--	8' scallop dredge
1838	29°09.5'	80°19'	4-15-60	0500-0530	19	gy.S.Sh.	68	65	--	10' scallop dredge
1839	29°12'	80°21.5'	4-15-60	0542-0612	17	gy.S.Sh.	68	66	59.9	10' scallop dredge
1840	29°14.5'	80°24.5'	4-15-60	0640-0710	16-14	S.Sh.	67	66	--	10' scallop dredge
1841	29°15'	80°26'	4-15-60	0725-0755	14-15½	S.Sh.	67	66	--	10' scallop dredge
1842	29°13'	80°26'	4-15-60	0828-0858	15	S.Sh.	67	66	--	10' scallop dredge
1843	29°10'	80°26.5'	4-15-60	0932-1002	15-14	S.Sh.	67	66	--	10' scallop dredge
1844	29°06'	80°26.2'	4-15-60	1033-1103	14½	S.Sh.	76	65	64.4	10' scallop dredge
1845	29°03'	80°25'	4-15-60	1134-1205	14½-15	S.Sh.	78	65	--	10' scallop dredge
1846	29°01'	80°22.5'	4-15-60	1230-1300	15	gy.S.	78	66	--	10' scallop dredge
1847	28°58'	80°23.5'	4-15-60	1325-1355	15	gy.S.	76	66	61.7	10' scallop dredge
1848	28°55'	80°20.5'	4-15-60	1427-1500	15-14	gy.S.	76	66	--	10' scallop dredge
1849	28°53.5'	80°20'	4-15-60	1526-1556	18	gy.S.	76	68	60.08	10' scallop dredge
1850	28°53'	80°15.5'	4-15-60	1607-1637	20	gy.S.Sh.	70	68	--	10' scallop dredge
1851	28°57.5'	80°15'	4-15-60	1710-1740	21-20	gy.S.Sh.	70	66	--	10' scallop dredge
1852	29°03'	80°18.5'	4-15-60	1827-1857	20	S.Sh.	79	66	59.9	8' scallop dredge
1853	29°07'	80°17'	4-15-60	1927-1957	22-23	S.Sh.	69	66	--	8' scallop dredge
1854	29°10'	80°16.5'	4-15-60	2010-2040	23-24	S.Sh.	69	66	--	8' scallop dredge
1855	29°15'	80°16.5'	4-15-60	2112-2138	25-29	S.Sh.	69	66	--	8' scallop dredge
1856	29°18.5'	80°15'	4-15-60	2146-2216	29-30	S.	69	66	--	8' scallop dredge
1857	29°19.5'	80°15'	4-15-60	2246-2316	28	S.	69	66	--	8' scallop dredge
1858	29°21.5'	80°11'	4-15-60	2347-0020	40	S.Sh.	71	66	--	8' scallop dredge
1859	29°22'	80°20'	4-16-60	0130-0200	20-18	gy.S.Sh.	70	66	--	8' scallop dredge
1860	29°24.5'	80°26'	4-16-60	0230-0300	14-13	G.S.Sh.	70	67	--	8' scallop dredge
1861	29°26'	80°29.5'	4-16-60	0325-0355	14-13½	gy.S.Sh.	69	67	67.1	8' scallop dredge
1862	29°26.5'	80°34'	4-16-60	0425-0455	12-13½	gy.S.Sh.	68	67	--	8' scallop dredge
1863	29°24'	80°35'	4-16-60	0505-0535	13½-15½	gy.S.Sh.	68	67	--	8' scallop dredge
1864	29°21.5'	80°35.5'	4-16-60	0605-0635	15	gy.S.Sh.	67	68	--	8' scallop dredge
1865	29°17.5'	80°31'	4-16-60	0703-0733	15	gy.S.Sh.	67	66	32.6	8' scallop dredge
1866	29°14.5'	80°28.5'	4-16-60	0801-0831	16-15	gy.S.Sh.	70	66	--	8' scallop dredge
1867	29°11'	80°27'	4-16-60	0900-0930	16-16½	gy.S.Sh.	70	65	--	8' scallop dredge
1868	29°07'	80°23.5'	4-16-60	0957-1027	15½-17	S.Sh.	71	67	--	8' scallop dredge
1869	29°05.5'	80°16'	4-16-60	1125-1155	25-26	S.	79	67	--	8' scallop dredge
1870	29°05.5'	80°10'	4-16-60	1250-1320	29	S.	78	74	62.6	8' scallop dredge
1871	29°01'	80°11.5'	4-16-60	1405-1435	26-25	S.	78	74	--	8' scallop dredge
1872	28°55'	80°13'	4-16-60	1522-1552	22½	S.	76	74	--	8' scallop dredge
1873	28°47.5'	80°14.5'	4-16-60	1635-1705	20	Sh.S.	80	74	--	8' scallop dredge
1874	28°45.5'	80°18'	4-16-60	1737-1807	15	S.Sh.	80	73	--	8' scallop dredge
1875	28°41'	80°17.5'	4-16-60	1833-1903	15	S.Sh.	85	68	--	8' scallop dredge
1876	28°37.5'	80°18'	4-16-60	1933-2003	15	S.Sh.	70	66	--	8' scallop dredge
1877	28°33.5'	80°19'	4-16-60	2030-2100	15	S.Sh.	70	66	--	8' scallop dredge
1878	28°29.5'	80°18'	4-16-60	2135-2205	14	S.Sh.	71	66	67.46	8' scallop dredge
1879	28°26.5'	80°17.5'	4-16-60	2233-2303	--	S.Sh.	71	67	--	8' scallop dredge
1880	28°22.5'	80°16.5'	4-16-60	2331-0001	--	S.Sh.	70	69	--	8' scallop dredge
1881	28°20'	80°15'	4-17-60	0030-0100	15	Sh.S.	70	72	--	8' scallop dredge
1882	28°14.5'	80°13'	4-17-60	0130-0200	15	Sh.	72	71	--	8' scallop dredge
1883	28°13'	80°09.5'	4-17-60	0230-0300	20-21	gy.S.Sh.	72	74	--	8' scallop dredge
1884	28°14.5'	80°07.5'	4-17-60	0312-0342	21-22	Sh.S.	70	74	--	8' scallop dredge
1885	28°12'	80°11.5'	4-17-60	--	20	Sh.S.	70	72	--	8' scallop dredge
1886	28°22'	80°10'	4-17-60	0510-0540	20	S.Sh.	68	74	--	8' scallop dredge
1887	28°26.5'	80°11'	4-17-60	0608-0638	20	S.Sh.	70	70	65	8' scallop dredge
1888	28°32'	80°13.5'	4-17-60	0707-0737	20	S.Sh.	70	68	--	8' scallop dredge
1889	28°33.5'	80°13'	4-17-60	0757-0827	20	S.Sh.	75	69	--	10' scallop dredge
1890	28°34.2'	80°13'	4-17-60	0902-0932	20	S.Sh.	75	69	--	10' scallop dredge
1891	28°30'	80°12.5'	4-17-60	1004-1034	20	S.Sh.	75	69	--	10' scallop dredge
1892	28°26.5'	80°12'	4-17-60	1105-1135	20	S.Sh.	75	72	--	10' scallop dredge
1893	28°23'	80°07'	4-17-60	1205-1235	20	S.Sh.	82	72	--	10' scallop dredge
1894	28°21'	80°06.5'	4-17-60	1320-1350	25	S.Sh.	82	73	65.1	10' scallop dredge
1895	28°25.5'	80°05.5'	4-17-60	1426-1456	25	S.Sh.	80	73	--	10' scallop dredge
1896	28°32.5'	80°07'	4-17-60	1545-1615	25	S.Sh.	80	73	--	10' scallop dredge
1897	28°40'	80°10.5'	4-17-60	1703-1733	25	S.Sh.	72	73	60.8	10' scallop dredge
1898	28°45.5'	80°11.5'	4-17-60	1808-1838	25	S.Sh.	73	74	--	10' scallop dredge
1899	28°49.5'	80°13'	4-17-60	1913-1943	25	Sh.	73	73	--	10' scallop dredge
1900	28°54'	80°11.5'	4-17-60	2013-2043	27	Sh.	70	73	61.52	10' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
1901	28°55.5'	80°10'	4-17-60	2136-2206	31-30	Sh.	70	73	--	10' scallop dredge
1902	28°53.5'	80°09'	4-17-60	2238-2308	35	Sh.	70	73	--	10' scallop dredge
1903	28°50.5'	80°08.5'	4-17/18-60	2342-0012	30-31	Sh.	71	72	--	10' scallop dredge
1904	28°42.5'	80°21'	4-18-60	0315-0345	15-14	Sh.S.	71	73	--	10' scallop dredge
1905	28°52'	80°23'	4-18-60	0415-0445	14	gy.S.	70	68	--	10' scallop dredge
1906	28°53'	80°21'	4-18-60	0515-0545	14-12	gy.S.	70	67	--	10' scallop dredge
1907	28°59'	80°28.5'	4-18-60	0618-0648	12-11	S.	68	67	65	8' scallop dredge
1908	29°03.5'	80°32.5'	4-18-60	0717-0747	13	br.S.Sh.	70	67	--	8' scallop dredge
1909	29°06.5'	80°31'	4-18-60	0808-0838	13	br.S.Sh.	75	67	--	8' scallop dredge
1910	29°10'	80°04.5'	4-18-60	0905-0910	14	S.Sh.	75	68	--	8' scallop dredge
1911	29°11.5'	80°36'	4-18-60	0929-0959	15-13	S.Sh.	80	69	--	8' scallop dredge
1912	29°15.5'	80°37'	4-18-60	1031-1101	14	gy.S.Sh.	75	70	--	8' scallop dredge
1913	29°20'	80°38.5'	4-18-60	1128-1158	15	Sh.S.	78	70	--	8' scallop dredge
1914	29°24'	80°39.5'	4-18-60	1225-1255	15	Sh.S.	78	70	--	8' scallop dredge
1915	29°23'	80°37.5'	4-18-60	1330-1400	15	gy.S.Sh.	79	70	--	8' scallop dredge
1916	29°29'	80°32'	4-18-60	1430-1500	15	gy.S.Sh.	80	70	--	8' scallop dredge
1917	29°26'	80°44'	4-18-60	1530-1600	15-14	gy.S.Sh.	81	70	--	8' scallop dredge
1918	29°22.5'	80°50.5'	4-18-60	1630-1700	11-12	gy.S.Sh.	82	70	--	8' scallop dredge
1919	29°19.5'	80°53'	4-18-60	1730-1800	11-9	gy.S.Sh.	76	70	--	8' scallop dredge
1920	29°16'	80°59'	4-18-60	1828-1858	8-8½	gy.S.	80	70	--	8' scallop dredge
1921	29°16'	80°54'	4-18-60	1926-1956	8½-10	gy.S.	75	70	--	8' scallop dredge
1922	29°16'	80°45'	4-18-60	2048-2116	10	S.	70	70	--	8' scallop dredge
1923	29°04.5'	80°50.5'	4-18-60	2200-2230	10-9	S.Sh.	70	70	--	8' scallop dredge
1924	29°06.5'	80°53'	4-18-60	2302-2332	9-10	S.Sh.	70	69	--	8' scallop dredge
1925	29°05'	80°49'	4-18-60	0005-0035	12	S.Sh.	70	69	--	8' scallop dredge
1926	28°57.5'	80°42.5'	4-19-60	0150-0220	12	S.Sh.	68	69	--	8' scallop dredge
1927	28°52'	80°40'	4-19-60	0305-0335	11-12	S.Sh.	68	70	--	8' scallop dredge
1928	28°42'	80°33'	4-19-60	0420-0450	11	S.Sh.	68	69	--	8' scallop dredge
1929	28°43.5'	80°26'	4-19-60	0545-0615	12	S.Sh.	68	69	--	8' scallop dredge
1930	28°41.5'	80°08'	4-19-60	0800-0809	31	Sh.	69	71	--	8' scallop dredge
1931	28°39.5'	80°08.5'	4-19-60	0835-0905	29-27½	Sh.	71	72	--	8' scallop dredge
1932	28°33.5'	80°06.5'	4-19-60	1008-1038	28-29	Sh.	75	73	65.3	8' scallop dredge
1933	28°30.5'	80°08'	4-19-60	1111-1141	28-27½	Sh.S.	65	73	--	8' scallop dredge
1934	28°27'	80°07'	4-19-60	1228-1258	31-30	Sh.S.	78	72	--	8' scallop dredge
1935	28°25'	80°05'	4-19-60	1330-1400	30-30½	Sh.S.	75	73	--	10' scallop dredge
1936	28°21'	80°06.5'	4-19-60	1450-1530	30	Sh.S.	75	73	--	10' scallop dredge
1937	28°17'	80°04'	4-19-60	1605-1635	30	Sh.S.	76	71	--	10' scallop dredge
1938	28°13'	80°05'	4-19-60	1735-1803	30	Sh.	76	73	--	10' scallop dredge
1939	28°11'	80°05'	4-19-60	1920-1950	20½-29	S.Sh.	74	74	--	10' scallop dredge
1940	28°08.5'	80°03.5'	4-19-60	2025-2055	30	Sh.	70	74	--	10' scallop dredge
1941	28°05'	80°02.5'	4-19-60	2127-2157	29	S.	70	74	--	10' scallop dredge
1942	28°02'	80°02.5'	4-19-60	2230-2300	30	Sh.	70	74	--	10' scallop dredge
1943	27°58.5'	80°02'	4-19-60	2330-0000	30	Sh.S.	70	74	--	10' scallop dredge
1944	27°55'	80°05'	4-20-60	0055-0130	25	Sh.S.	72	73	--	10' scallop dredge
1945	28°03'	80°02.5'	4-20-60	0215-0245	25	Sh.S.	71	73	--	10' scallop dredge
1946	28°06.5'	80°10'	4-20-60	0345-0415	20	S.Sh.	70	73	--	10' scallop dredge
1947	28°09.5'	80°10'	4-20-60	0505-0535	20	S.Sh.	68	73	--	10' scallop dredge
1948	28°10.5'	80°10'	4-20-60	0605-0635	20-21	S.Sh.	71	73	--	10' scallop dredge
1949	28°14'	80°09.5'	4-20-60	0709-0739	20	S.Sh.	--	73	--	10' scallop dredge
1950	28°15'	80°13.5'	4-20-60	0812-0842	17	Sh.S.	75	73	--	10' scallop dredge
1951	28°10.5'	80°12'	4-20-60	0912-0942	17	S.Sh.	75	72	--	10' scallop dredge
1952	28°05.5'	80°11.5'	4-20-60	1011-1041	16-16½	S.Sh.	75	71	--	10' scallop dredge
1953	28°02'	80°09.5'	4-20-60	1112-1142	16½-17	S.Sh.	82	71	--	10' scallop dredge
1954	27°58'	80°06.5'	4-20-60	1210-1240	20	S.Sh.	82	71	64.2	10' scallop dredge
1955	28°01.5'	80°08'	4-20-60	1305-1335	20	Sh.S.	81	71	--	10' scallop dredge
1956	28°02.5'	80°08'	4-20-60	1345-1415	20	Sh.S.	82	71	--	10' scallop dredge
1957	27°58'	80°05'	4-20-60	1502-1532	20	Sh.S.	82	71	--	10' scallop dredge
1958	27°51.5'	80°02'	4-20-60	1822-1852	25	S.Sh.	75	71	--	10' scallop dredge
1959	27°49.5'	79°58.5'	4-20-60	2020-2025	50	M.Rk.	75	75	--	10' scallop dredge
1960	27°52'	80°01'	4-20-60	2105-2152	30	S.Sh.	75	71	--	10' scallop dredge
1961	27°47.5'	80°03'	4-20-60	2337-2407	25	S.Sh.	70	72	--	10' scallop dredge
1962	27°44.5'	80°05'	4-20-60	2337-0007	20	S.Sh.	75	72	--	10' scallop dredge
1963	27°28.5'	80°08.5'	4-22-60	1630-1700	10-11	S.	74	76	71.2	8' scallop dredge
1964	27°29'	80°04'	4-22-60	1730-1800	15-20	S.	72	77	--	8' scallop dredge
1965	27°28.5'	80°01.5'	4-22-60	1815-1845	20-41	S.Sh.	75	77	--	8' scallop dredge
1966	27°30'	79°57'	4-22-60	1914-1944	50	--	73	78	--	8' scallop dredge
1967	27°35'	79°55.5'	4-22-60	2030-2100	75-74	--	73	77	--	8' scallop dredge
1968	27°39.5'	79°54'	4-22-60	2155-2255	100	--	70	77	--	8' scallop dredge
1969	28°09.5'	79°59'	4-23-60	0240-0340	70-77	M.	73	77	--	8' scallop dredge
1970	28°28'	80°01'	4-23-60	0435-0535	50	S.Sh.	72	78	--	8' scallop dredge
1971	28°33.5'	80°03'	4-23-60	0610-0640	40	Sh.S.	73	77	--	8' scallop dredge
1972	28°42'	80°08'	4-23-60	0837-0907	30-31	--	80	77	--	8' scallop dredge
1973	28°42'	80°10'	4-23-60	1041-1111	25-21½	S.Sh.	78	71	--	8' scallop dredge
1974	28°42'	80°13'	4-23-60	1128-1158	21½	S.Sh.	78	71	--	8' scallop dredge
1975	28°41'	80°16.5'	4-23-60	1207-1237	20	Sh.S.	78	71	--	8' scallop dredge
1976	28°41.5'	80°19.5'	4-23-60	1245-1315	14	Sh.S.	78	70	--	8' scallop dredge
1977	28°40'	79°58'	4-23-60	1650-1755	100	bu.M.	82	78	--	8' scallop dredge
1978	28°58'	79°58'	4-23-60	1820-1920	100	--	78	78	--	8' scallop dredge
1979	28°58'	79°58'	4-23-60	1950-2050	100	--	78	78	--	8' scallop dredge
1980	28°28'	80°12'	4-24-60	0527-0557	20	S.Sh.	72	69	--	8' scallop dredge
1981	28°26'	80°12.5'	4-24-60	0610-0640	20	S.Sh.	72	69	--	8' scallop dredge
1982	28°23.5'	80°12'	4-24-60	0650-0720	20-21	Sh.S.	72	69	--	8' scallop dredge
1983	28°22.5'	80°10.5'	4-24-60	0735-0806	21-20	Sh.S.	73	69	--	8' scallop dredge
1984	28°22.5'	80°11'	4-24-60	0816-0848	20	S.Sh.	72	69	--	8' scallop dredge
1985	28°24.5'	80°11.5'	4-24-60	0900-0930	20	S.Sh.	72	69	--	8' scallop dredge
1986	28°26.5'	80°14'	4-24-60	0955-1023	18-19	S.Sh.	73	69	--	8' scallop dredge
1987	28°28.5'	80°14.5'	4-24-60	1038-1107	19-18	S.Sh.	73	69	--	8' scallop dredge
1988	28°30.5'	80°11.5'	4-24-60	1150-1220	21	S.Sh.	76	69	--	8' scallop dredge
1989	28°28.5'	80°11.5'	4-24-60	--	21-22	S.Sh.	76	72	--	8' scallop dredge
1990	28°34'	80°11'	4-24-60	1320-1350	22-23	S.Sh.	75	72	--	8' scallop dredge
1991	28°35'	80°11.5'	4-24-60	1405-1433	23-21	S.Sh.	78	72	--	8' scallop dredge
1992	28°30.5'	80°13.5'	4-24-60	1441-1511	20-18	S.Sh.	76	71	--	8' scallop dredge
1993	28°30'	80°16.5'	4-24-60	1529-1556	18-19½	S.Sh.	76	71	--	8' scallop dredge
1994	28°28'	80°13'	4-24-60	1650-1700	20½-23	S.Sh.	74	73	--	8' scallop dredge
1995	28°28'	80°12.5'	4-24-60	1710-1740	25	Sh.S.	75	75	--	8' scallop dredge
1996	28°27.5'	80°12'	4-24-60	1759-1828	25-27	Sh.S.	75	75	--	8' scallop dredge
1997	28°29.5'	80°12.5'	4-24-60	0545-0615	20	S.Sh.	72	71	--	8' scallop dredge
1998	28°29.5'	80°13'	4-24-60	0625-0706	20	S.Sh.	72	69	--	8' scallop dredge
1999	28°27'	80°13'	4-24-60	0715-0752	20	S.Sh.	73	69	--	8' scallop dredge
2000	28°25'	80°11'	4-24-60	0800-0844	20	Sh.S.	74	69	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2001	28°22.5'	80°10'	4-25-60	0855-0925	21-22	Sh.S.	74	69	--	8' scallop dredge
2002	28°21.5'	80°09.5'	4-25-60	0936-1006	22-23	S.Sh.	72	69	--	8' scallop dredge
2003	28°19'	80°07'	4-25-60	1015-1045	23	Sh.S.	76	69	--	8' scallop dredge
2004	28°17.5'	80°07.5'	4-25-60	1055-1125	23	Sh.S.	76	68	--	8' scallop dredge
2005	28°15'	80°07.5'	4-25-60	1136-1206	23-24	Sh.S.	80	68	--	8' scallop dredge
2006	28°14'	80°06.5'	4-25-60	1216-1246	24	Sh.S.	86	68	--	8' scallop dredge
2007	28°12'	80°05'	4-25-60	1325-1355	25-32	Sh.S.	80	75	--	10' scallop dredge
2008	28°13.5'	80°02.5'	4-25-60	1410-1440	32-40	Sh.S.	80	75	--	10' scallop dredge
2009	28°15'	80°02'	4-25-60	1456-1528	40	S.	74	75	--	10' scallop dredge
2010	28°17.5'	80°01.5'	4-25-60	1548-1625	41-34	Sh.	74	75	--	10' scallop dredge
2011	28°18'	80°03.5'	4-25-60	1640-1722	34-22	Co.S.	78	74	--	10' scallop dredge
2012	28°17.5'	80°07'	4-25-60	1736-1806	22-21½	Sh.S.	78	73	--	10' scallop dredge
2013	28°18'	80°09'	4-25-60	1816-1846	21½-20	Sh.S.	77	73	--	10' scallop dredge
2014	28°28'	80°13'	4-26-60	0537-0607	20	S.Sh.	70	71	--	10' scallop dredge
2015	28°26.5'	80°13'	4-26-60	0620-0650	20	Sh.S.	71	71	--	10' scallop dredge
2016	28°28'	80°12'	4-26-60	1214-1245	20	S.Sh.	86	71	--	10' scallop dredge
2017	28°26.5'	80°13'	4-26-60	1257-1327	20	S.Sh.	86	71	--	10' scallop dredge
2018	28°24.5'	80°11'	4-26-60	1600-1640	20	S.Sh.	86	73	--	10' scallop dredge
2019	28°21.5'	80°04.5'	4-26-60	1746-1816	30-41	Sh.	74	76	--	10' scallop dredge
2020	28°22.5'	80°02'	4-26-60	1830-1847	41-45	--	74	74	--	10' scallop dredge
2021	28°26.5'	80°12'	4-27-60	0540-0610	20	S.Sh.	70	73	--	10' scallop dredge
2022	28°24.5'	80°12.5'	4-27-60	0622-0652	20	Sh.S.	76	73	--	10' scallop dredge
2023	28°23'	80°11'	4-27-60	0705-0735	20	Sh.S.	70	73	--	10' scallop dredge
2024	28°26.5'	80°11.5'	4-27-60	0812-0842	20	S.Sh.	70	73	--	10' scallop dredge
2025	28°24'	80°11.5'	4-27-60	0855-0925	20	S.Sh.	70	73	--	10' scallop dredge
2026	28°22'	80°11'	4-27-60	0935-1005	20½	S.Sh.	70	72	--	10' scallop dredge
2027	28°19'	80°11.2'	4-27-60	1015-1045	21-20	S.Sh.	72	72	--	10' scallop dredge
2028	28°21.5'	80°10.5'	4-27-60	1055-1128	20	S.Sh.	82	72	--	10' scallop dredge
2029	28°24'	80°11.5'	4-27-60	1140-1225	20½-20	Sh.S.	82	77	--	10' scallop dredge
2030	28°26.5'	80°12'	4-27-60	1236-1305	20	S.Sh.	82	77	--	10' scallop dredge
2031	28°25'	80°13'	4-27-60	1316-1346	20	S.Sh.	82	77	--	10' scallop dredge
2032	28°26.5'	80°12'	4-27-60	1357-1428	20	Sh.S.	83	75	--	10' scallop dredge
2033	28°25'	80°13'	4-27-60	1442-1512	20	Sh.S.	83	74	--	10' scallop dredge
2034	28°25.5'	80°13'	4-27-60	1545-1615	20	Sh.S.	83	75	--	10' scallop dredge
2035	28°23.5'	80°13'	4-27-60	1630-1700	20	S.Sh.	82	74	--	10' scallop dredge
2036	28°23.5'	80°12.5'	4-27-60	1712-1742	20	S.Sh.	78	74	--	10' scallop dredge
2037	28°23'	80°11'	4-27-60	1753-1823	20	S.Sh.	78	74	--	10' scallop dredge
2038	28°22.5'	79°59.5'	4-27-60	2003-2103	64-78	--	75	79	--	10' scallop dredge
2039	28°23.5'	79°59.5'	4-27-60	2143-2213	64-75	--	75	79	--	10' scallop dredge
2040	28°20'	79°48.5'	4-28-60	0022-0122	200	M.	75	78	--	10' scallop dredge
2041	28°15'	80°00'	4-28-60	0357-0428	50	--	75	79	--	10' scallop dredge
2042	28°14.5'	80°00'	4-28-60	0510-0540	40	gy.S.	74	79	--	10' scallop dredge
2043	27°56.5'	80°10'	4-28-60	0829-0859	15	S.Sh.	73	73	--	10' scallop dredge
2044	27°36'	80°06'	4-29-60	1617-1647	15	S.Sh.	73	76	--	10' scallop dredge
2045	27°36'	80°06'	4-29-60	1703-1717	15	Co.S.Sh.	73	76	--	10' scallop dredge
2046	27°36'	80°06'	4-29-60	1745-1803	15	Co.S.Sh.	74	76	--	10' scallop dredge
2047	27°48.5'	80°09'	4-29-60	1945-2017	15	S.Sh.	74	73	--	10' scallop dredge
2048	27°50'	80°09'	4-29-60	2032-2102	15-14½	S.Sh.	74	73	--	10' scallop dredge
2049	27°51.5'	80°09.5'	4-29-60	2235-2305	14½-15	--	72	73	--	10' scallop dredge
2050	27°53'	80°10'	4-30-60	0003-0033	14-15	S.Sh.	72	73	--	10' scallop dredge
2051	27°54'	80°08'	4-30-60	0045-0115	15-14	S.Sh.	72	73	--	10' scallop dredge
2052	27°56'	80°09.5'	4-30-60	0125-0155	14	S.Sh.	72	73	70	10' scallop dredge
2053	29°06.5'	80°28'	4-30-60	1044-1114	15	S.Sh.	74	71	--	10' scallop dredge
2054	29°09.5'	80°25'	4-30-60	1142-1212	15	S.Sh.	74	71	--	10' scallop dredge
2055	29°14'	80°26.5'	4-30-60	1245-1315	15	S.Sh.	74	71	--	10' scallop dredge
2056	29°16.5'	80°23'	4-30-60	1340-1410	15	S.Sh.	74	71	--	10' scallop dredge
2057	29°21'	80°31.5'	4-30-60	1437-1507	15	S.Sh.	74	71	68	10' scallop dredge
2058	29°26'	80°30.5'	4-30-60	1550-1620	13-12	S.Sh.	74	71	--	10' scallop dredge
2059	29°31.5'	80°34.5'	4-30-60	1702-1732	13-14	S.Sh.	75	71	--	10' scallop dredge
2060	29°36'	80°33'	4-30-60	1816-1846	16	S.Sh.	75	70	--	10' scallop dredge
2061	29°36.5'	80°23'	4-30-60	1942-2012	22	--	75	76	--	10' scallop dredge
2062	29°36'	80°10.5'	4-30/5-1-60	2230-0130	200	M.	74	75	--	41/47' 2-seam shrimp trawl
2063	29°32.5'	80°10'	5-1-60	0220-0520	200	M.	73	74	--	41/47' balloon shrimp trawl
2064	29°27.5'	80°08'	5-1-60	0630-0930	200-202	--	74	77	--	40' flat trawl
2065	29°23.5'	80°05.5'	5-1-60	1055-1355	208	M.	77	77	--	40' flat trawl
2066	29°22'	80°06'	5-1-60	1525-1825	200	M.	77	79	--	41/47' balloon shrimp trawl
2067	29°22'	80°06'	5-1-60	2020-2320	200	M.	73	79	--	41/47' 2-seam shrimp trawl
2068	29°16.5'	80°04'	5-2-60	1207-0307	210	M.	73	79	--	41/47' 2-seam shrimp trawl
2069	29°09.5'	80°01.5'	5-2-60	0350-0650	200	M.	--	80	--	41/47' 2-seam shrimp trawl
2070	29°13'	79°59.5'	5-2-60	0845-1145	205	M.	72	80	--	41/47' 2-seam shrimp trawl
2071	29°53'	80°12.5'	5-2-60	1628-1928	180	M.	81	80	--	41/47' 2-seam shrimp trawl
2072	29°50'	80°06.5'	5-2-60	2020-2320	200	M.	75	81	--	41/47' 2-seam shrimp trawl
2073	29°47.5'	80°08'	5-3-60	0045-0345	200	M.	75	81	--	41/47' 2-seam shrimp trawl
2074	29°43'	80°07.5'	5-3-60	0555-0855	200-202	M.	73	80	--	41/47' 2-seam shrimp trawl
2075	29°35.5'	80°10'	5-3-60	0853-1155	180	M.	75	79	--	41/47' 2-seam shrimp trawl
2076	29°27'	80°08.5'	5-3-60	1240-1540	200-180	M.	76	79	--	41/47' 2-seam shrimp trawl
2077	29°49'	80°23.5'	5-4-60	0645-0745	24	S.Sh.Co.	77	73	--	52/72' 2-seam fish trawl
2078	29°44.5'	80°25.5'	5-4-60	0811-0956	24-22	S.Sh.	77	72	--	52/72' 2-seam fish trawl
2079	29°43.5'	80°25.5'	5-4-60	1025-1200	22-20	gy.S.Sh.	73	72	--	52/72' 2-seam fish trawl
2080	29°46.5'	80°28.5'	5-4-60	1230-1400	20	gy.S.Sh.	73	72	--	52/72' 2-seam fish trawl
2081	29°46.5'	80°27.5'	5-4-60	1522-1652	20-19	gy.S.Sh.	73	72	--	52/72' 2-seam fish trawl
2082	29°49'	80°31.5'	5-4-60	1715-1845	19-20	gy.S.Sh.	69	72	--	52/72' 2-seam fish trawl
2083	29°58.5'	80°32.5'	5-5-60	0610-0745	22-21	S.Sh.	70	71	68.9	52/72' 2-seam fish trawl
2084	29°53.5'	80°34'	5-5-60	0816-0946	22-21	S.Sh.	70	65	--	52/72' 2-seam fish trawl
2085	29°54'	80°47.5'	5-5-60	1150-1250	18	S.Sh.	72	69	--	52/72' 2-seam fish trawl
2086	29°56.5'	80°52'	5-5-60	1332-1432	14-15	S.Sh.	72	66	--	52/72' 2-seam fish trawl
2087	29°58'	80°51.5'	5-5-60	1543-1643	14	S.Sh.	72	66	--	52/72' 2-seam fish trawl
2088	28°27'	80°11.5'	5-27-60	0947-1007	21-20½	S.Sh.	75	79	--	10' scallop dredge
2089	28°26.5'	80°12'	5-27-60	1022-1042	20½-21	S.Sh.	75	79	--	10' scallop dredge
2090	28°26.5'	80°13'	5-27-60	1116-1146	19	S.Sh.	75	79	--	10' scallop dredge
2091	28°20'	80°12'	5-27-60	1235-1305	20-21	S.Sh.	73	79	--	10' scallop dredge
2092	28°11.5'	80°09.5'	5-27-60	1425-1455	21	S.Sh.	73	79	--	10' scallop dredge
2093	28°09'	80°13.5'	5-27-60	1540-1555	18-14	S.Sh.	73	78	--	10' scallop dredge
2094	27°30.5'	80°03.5'	5-28-60	0628-0644	18-21	S.Sh.	74	77	--	8' scallop dredge
2095	27°33'	80°03.5'	5-28-60	0711-0726	16-16½	S.Sh.	74	77	--	8' scallop dredge
2096	27°34.3'	80°05'	5-28-60	0751-0807	16½	S.Sh.	74	77	--	8' scallop dredge
2097	27°35.5'	80°06'	5-28-60	0817-0833	15½-12½	S.Sh.	74	77	--	8' scallop dredge
2098	27°51.5'	80°09'	5-28-60	1054-1110	16-14	S.Sh.	85	79	--	8' scallop dredge
2099	27°53'	80°09.5'	5-28-60	1122-1137	14½-18	S.Sh.	85	79	--	8' scallop dredge
2100	27°53.5'	80°08.7'	5-28-60	1149-1204	18-17	S.Sh.	85	79	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2101	27°52'	80°08.2'	5-28-60	1216-1231	17-15	S.Sh.	85	79	--	8' scallop dredge
2102	27°53'	80°09.2'	5-28-60	1242-1312	15½-15	S.Sh.	85	79	--	8' scallop dredge
2103	27°54.5'	80°09.5'	5-28-60	1323-1338	15-14	S.Sh.	85	79	--	8' scallop dredge
2104	27°53.5'	80°10.5'	5-28-60	1348-1418	14-17	S.Sh.	86	80	--	8' scallop dredge
2105	27°53.5'	80°08.7'	5-28-60	1454-1524	17½-13½	S.Sh.	85	80	--	8' scallop dredge
2106	27°51.5'	80°10'	5-28-60	1533-1603	13½-17½	S.Sh.	85	80	--	8' scallop dredge
2107	27°53'	80°09.5'	5-30-60	1103-1155	14½-17½	S.Sh.	83	78	--	2 8' scallop dredges
2108	27°53'	80°09.5'	5-30-60	1219-1259	14½-17½	S.Sh.	83	78	--	2 8' scallop dredges
2109	27°53'	80°09.5'	5-30-60	1315-1404	14½-17	S.Sh.	83	78	--	8' scallop dredge
2110	27°53'	80°09.5'	5-31-60	1033-1103	14½-17	S.Sh.	84	77	--	8' scallop dredge
2111	27°53'	80°09.5'	5-31-60	1155-1225	14½-17	S.Sh.	83	77	--	8' scallop dredge
2112	27°53'	80°09.5'	6-1-60	1035-1105	14½-17	S.Sh.	84	78	--	8' scallop dredge
2113	27°53.5'	80°08.7'	6-1-60	1115-1145	17-14½	S.Sh.	84	78	--	8' scallop dredge
2114	27°53'	80°09.5'	6-2-60	1025-1055	15-17½	S.Sh.	83	78	--	8' scallop dredge
2115	27°53.5'	80°08.7'	6-2-60	1106-1136	17½-15	S.Sh.	83	79	--	8' scallop dredge
2116	27°53'	80°09.5'	6-3-60	1025-1055	15-17½	S.Sh.	--	78	--	8' scallop dredge
2117	27°53.5'	80°08.7'	6-3-60	1106-1136	17½-15	S.Sh.	84	78	69.8	8' scallop dredge
2118	27°53'	80°09.5'	6-3-60	1146-1220	15-17½	S.Sh.	84	78	--	8' scallop dredge
2119	27°53'	80°09.5'	6-4-60	1023-1053	15-17½	S.Sh.	92	77	--	8' scallop dredge
2120	27°52'	80°08.5'	6-4-60	1115-1130	17½-16	S.Sh.	92	78	70.7	8' scallop dredge
2121	27°53'	80°09.5'	6-5-60	1023-1053	15-17½	S.Sh.	85	76	--	8' scallop dredge
2122	27°52'	80°08.5'	6-5-60	1103-1133	17½-15	S.Sh.	85	76	--	8' scallop dredge
2123	27°53'	80°09.5'	6-5-60	1143-1215	15-17½	S.Sh.	85	77	--	8' scallop dredge
2124	27°53'	80°09.5'	6-6-60	1610-1635	15-17½	S.Sh.	--	78	--	8' scallop dredge
2125	27°52'	80°08.5'	6-6-60	1655-1715	17	S.Sh.	--	78	--	8' scallop dredge
2126	27°52.5'	80°09'	6-7-60	0605-0635	16-17½	S.Sh.	74	74	--	8' scallop dredge
2127	27°52.5'	80°09'	6-7-60	0829-0859	17½	S.Sh.	74	76	--	8' scallop dredge
2128	27°52.5'	80°09'	6-7-60	1318-1338	17½	S.Sh.	90	79	--	8' scallop dredge
2129	27°52.5'	80°09'	6-7-60	1350-1410	17½	S.Sh.	90	79	--	8' scallop dredge
2130	27°52.5'	80°09'	6-8-60	0616-0631	17-18	S.Sh.	76	75	--	8' scallop dredge
2131	27°53.5'	80°09'	6-8-60	1215-1230	18	S.Sh.	88	80	--	8' scallop dredge
2132	30°21'	80°36'	6-11-60	2200-2330	20	---	71	75	--	Night light station
2133	30°22'	80°32'	6-12-60	0620-0620	19½-18	gy.S.Sh.	71	73	--	54/74' 2-seam fish trawl
2134	30°14.5'	80°35'	6-12-60	0737-0838	19	S.Sh.	75	74	--	54/74' 2-seam fish trawl
2135	30°10'	80°33'	6-12-60	0939-1039	20	S.Sh.	75	78	--	54/74' 2-seam fish trawl
2136	30°03'	80°35'	6-12-60	1230-1330	20	S.Sh.	75	79	73.4	54/74' 2-seam fish trawl
2137	29°55'	80°34.5'	6-12-60	1506-1605	19	S.Sh.	75	77	--	54/74' 2-seam fish trawl
2138	29°55'	80°34.5'	6-12-60	1628-1758	19	S.Sh.	75	78	--	54/74' 2-seam fish trawl
2139	29°55'	80°38'	6-12-60	2045-2245	18	S.Sh.	--	78	--	Night light station
2140	29°55'	80°34.5'	6-13-60	0530-0630	19	S.Sh.	72	76	--	54/74' 2-seam fish trawl
2141	29°55'	80°34.5'	6-13-60	0650-0750	19	S.Sh.	72	76	--	54/74' 2-seam fish trawl
2142	29°55'	80°34.5'	6-13-60	0828-0928	19	gy.S.Sh.	72	76	--	54/74' 2-seam fish trawl
2143	29°50.5'	80°27.5'	6-13-60	1045-1215	20	gy.S.Sh.	81	80	--	54/74' 2-seam fish trawl
2144	29°52.5'	80°26.5'	6-13-60	1252-1352	20	S.Sh.	81	80	--	54/74' 2-seam fish trawl
2145	29°45.5'	80°16'	6-13-60	1625-1725	35	gy.S.Sh.	76	83	--	54/74' 2-seam fish trawl
2146	29°47'	80°28'	6-13-60	2030-2145	20	gy.S.Sh.	75	83	--	Night light station
2147	31°51.5'	79°23'	7-14-60	0703-0803	54-50	M.	80	85	--	54/74' 2-seam fish trawl
2148	31°57.5'	79°22'	7-14-60	0931-1031	42-40	gy.S.	80	85	--	54/74' 2-seam fish trawl
2149	32°09.5'	79°14'	7-14-60	1205-1305	30	gy.S.	92	85	72.3	54/74' 2-seam fish trawl
2150	32°24.5'	79°14'	7-14-60	1530-1630	20	gy.S.	92	82	74.5	54/74' 2-seam fish trawl
2151	32°41.5'	79°19.5'	7-15-60	0637-0737	10	gy.S.	84	81	75.7	54/74' 2-seam fish trawl
2152	32°49.5'	78°43'	7-15-60	0828-0928	17-19	S.	77	82	74.3	54/74' 2-seam fish trawl
2153	32°49.5'	78°16.5'	7-15-60	1017-1024	30	--	77	81	--	54/74' 2-seam fish trawl
2154	32°54.5'	78°07.5'	7-15-60	1330-1430	50	--	77	81	--	60/80' 2-seam fish trawl
2155	32°59.5'	78°02.5'	7-15-60	1612-1712	30	--	--	81	68	60/80' 2-seam fish trawl
2156	33°08.5'	77°57'	7-15-60	1842-1942	20	--	81	81	72.6	60/80' 2-seam fish trawl
2157	33°16'	77°38.5'	7-16-60	0620-0720	20	S.Sh.	76	81	--	60/80' 2-seam fish trawl
2158	33°15'	77°21'	7-16-60	0950-1050	30	S.	76	81	66.5	60/80' 2-seam fish trawl
2159	33°20'	77°13'	7-16-60	1217-1317	40	S.Sh.	78	82	--	60/80' 2-seam fish trawl
2160	33°29.5'	77°13'	7-16-60	1445-1545	22	S.Sh.	78	82	71	60/80' 2-seam fish trawl
2161	33°35'	77°07'	7-16-60	1720-1845	22	S.Sh.	78	83	75.7	60/80' 2-seam fish trawl
2162	34°07'	77°22'	7-17-60	0646-0706	13	Co.S.	77	80	--	60/80' 2-seam fish trawl
2163	34°22'	77°09'	7-17-60	1006-1121	11	S.	77	80	77	60/80' 2-seam fish trawl
2164	34°31.5'	76°57'	7-17-60	1320-1435	9	S.	75	79	80.1	60/80' 2-seam fish trawl
2165	34°39.5'	76°56'	7-17-60	1530-1630	7-6	S.	75	79	80.1	60/80' 2-seam fish trawl
2166	34°37'	76°40.5'	7-17-60	1825-1925	7-9	S.Sh.	84	80	77.9	60/80' 2-seam fish trawl
2167	34°22.5'	76°25'	7-18-60	0718-0818	12	S.	75	78	--	60/80' 2-seam fish trawl
2168	34°22'	76°12'	7-18-60	0955-1095	20	--	75	78	--	60/80' 2-seam fish trawl
2169	34°24'	76°02'	7-18-60	1225-1325	30	S.Sh.	81	79	69.8	60/80' 2-seam fish trawl
2170	34°31.5'	75°49'	7-18-60	1520-1600	52-42	--	77	82	--	60/80' 2-seam fish trawl
2171	34°46'	75°38.5'	7-18-60	1827-1927	28	S	77	82	67.6	60/80' 2-seam fish trawl
2172	35°00'	75°19'	7-18/19-60	2200-0250	80-200	--	--	81	--	Night light station
2173	34°59'	75°17'	7-19-60	0500-0615	100	M.S.	76	80	--	60/80' 2-seam fish trawl
2174	35°03'	75°27'	7-19-60	0803-0903	24-30	S.	86	81	--	60/80' 2-seam fish trawl
2175	34°56'	75°24.5'	7-19-60	1034-1200	52-51	S.	88	81	--	60/80' 2-seam fish trawl
2176	34°55'	75°37'	7-19-60	1335-1435	22-21	--	86	82	76.4	60/80' 2-seam fish trawl
2177	34°56'	75°50'	7-19-60	1618-1718	15	S.Sh.	--	82	76.4	60/80' 2-seam fish trawl
2178	34°58'	75°57'	7-19-60	1838-1930	14	S.Sh.	82	82	74.4	60/80' 2-seam fish trawl
2179	34°49'	76°02'	7-19-60	2100-2200	15	--	78	80	--	Night light station
2180	34°57'	76°07.5'	7-20-60	0538-0638	8	S.	74	78	--	60/80' 2-seam fish trawl
2181	34°47.5'	76°14'	7-20-60	0805-0905	10	S.	78	79	75.3	60/80' 2-seam fish trawl
2182	34°42.5'	76°09'	7-20-60	1030-1115	11	S.Sh.	83	79	70.8	60/80' 2-seam fish trawl
2183	34°37.5'	76°06.5'	7-20-60	1225-1325	19-18	S.Sh.	83	80	71.2	60/80' 2-seam fish trawl
2184	34°43'	76°22'	7-20-60	1545-1645	9	S.Sh.	80	80	75.5	60/80' 2-seam fish trawl
2185	34°34.5'	76°28'	7-20-60	1810-1930	8	S.	79	79	77.3	60/80' 2-seam fish trawl
2186	34°29'	76°20'	7-20-60	2045-0200	15	--	78	79	--	Night light station
2187	34°31.5'	76°24'	7-21-60	0528-0628	9	S.Sh.	77	79	--	60/80' 2-seam fish trawl
2188	34°14'	76°18.5'	7-21-60	0900-1000	17	S.Sh.	77	80	74.4	60/80' 2-seam fish trawl
2189	34°07.5'	76°15'	7-21-60	1124-1224	23-22	S.Sh.	85	82	73.5	60/80' 2-seam fish trawl
2190	34°07'	76°06'	7-21-60	1432-1622	100	--	79	83	--	60/80' 2-seam fish trawl
2191	34°35'	76°54'	7-22-60	0610-0617	9	S.Sh.	76	81	--	60/80' 2-seam fish trawl
2192	34°40.5'	76°50'	7-22-60	0726-0826	6-6½	S.	78	81	80	60/80' 2-seam fish trawl
2193	34°40'	76°46'	7-22-60	0900-1000	6½-6	S.	76	81	79.8	60/80' 2-seam fish trawl
2194	34°37.5'	76°08.5'	7-23-60	1650-1720	19	S.Sh.	86	82	--	8' scallop dredge
2195	34°40'	76°01.5'	7-23-60	1752-1822	19	S.Sh.	85	82	72.5	8' scallop dredge
2196	34°43'	75°59'	7-23-60	1850-1900	19	S.Sh.	80	82	--	8' scallop dredge
2197	34°39.5'	76°02.5'	7-23-60	1925-1955	19	S.Sh.	80	82	--	8' scallop dredge
2198	34°34'	75°55'	7-23-60	2128-2143	25	S.Sh.	80	83	--	8' scallop dredge
2199	34°34.5'	75°49.5'	7-23-60	2220-2235	30	S.Sh.	80	84	--	8' scallop dredge
2200	34°33.5'	75°47'	7-23-60	2314-2344	51-55	--	80	84	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2201	34°34.5'	75°40'	7-24-60	0030-0400	80-90	--	79	84	--	Dip station
2202	34°45'	75°48'	7-24-60	0559-0629	20	S.Sh.	77	84	--	8' scallop dredge
2203	34°43'	75°52.5'	7-24-60	0656-0720	20	S.Sh.	78	83	--	8' scallop dredge
2204	34°41'	75°56'	7-24-60	0745-0815	20	S.Sh.	79	81	--	8' scallop dredge
2205	34°38.5'	75°59'	7-24-60	0841-0911	20	S.Sh.	78	81	--	8' scallop dredge
2206	34°36.5'	76°03.5'	7-24-60	0936-1006	20	S.Sh.	78	81	72.6	8' scallop dredge
2207	34°33'	76°14'	7-24-60	1114-1144	18	S.Sh.	78	82	71.2	8' scallop dredge
2208	34°35.7'	76°11.5'	7-24-60	1216-1246	18	S.Sh.	88	83	--	8' scallop dredge
2209	34°39.5'	75°58'	7-24-60	1415-1500	20	S.Sh.	88	82	72.7	8' scallop dredge
2210	34°44'	75°57'	7-24-60	1626-1656	18-17	S.Sh.	88	85	--	8' scallop dredge
2211	34°46'	76°06.5'	7-24-60	2037-2110	15	S.Sh.	84	82	--	8' scallop dredge
2212	34°52.5'	76°00'	7-24-60	2157-2227	12-14	S.Sh.	82	82	72.8	8' scallop dredge
2213	35°00.5'	75°59.5'	7-24-60	2335-2435	9	S.	78	81	--	42/62' 2-seam shrimp trawl
2214	34°53'	76°10'	7-25-60	0150-0250	8-9	S.Sh.	78	81	--	42/62' 2-seam shrimp trawl
2215	34°45'	76°20'	7-25-60	0410-0510	8-6½	S.Sh.	77	81	--	42/62' 2-seam shrimp trawl
2216	34°36.5'	76°27'	7-25-60	0624-0724	8	S.Sh.	80	81	--	42/62' 2-seam shrimp trawl
2217	34°30.5'	76°24.5'	7-25-60	0806-0906	9-10	S.Sh.	77	80	--	42/62' 2-seam shrimp trawl
2218	34°38.5'	77°05'	7-25-60	1355-1425	5-4½	S.	85	83	--	14-tooth clam dredge
2219	34°37'	77°06.5'	7-25-60	1435-1505	5	S.	85	83	--	14-tooth clam dredge
2220	34°36.5'	77°07.5'	7-25-60	1512-1542	5	S.Sh.	84	83	--	14-tooth clam dredge
2221	34°37'	77°07'	7-25-60	1550-1620	6½-6	S.Sh.	88	83	--	14-tooth clam dredge
2222	34°25'	77°22'	7-25-60	1838-1938	7-6½	S.Sh.	85	84	80.4	41/61' 2-seam shrimp trawl
2223	34°20'	77°34.5'	7-25-60	2055-2155	7	S.Sh.	85	83	--	41/61' 2-seam shrimp trawl
2224	34°12'	77°43.5'	7-25-60	2312-0028	6½	S.Sh.	81	83	--	41/61' 2-seam shrimp trawl
2225	34°00'	77°50'	7-25-60	0148-0248	6-7	S.	80	83	--	41/61' 2-seam shrimp trawl
2226	33°45'	77°50'	7-26-60	0420-0520	6½	S.	81	83	--	41/61' 2-seam shrimp trawl
2227	33°43.5'	77°51'	7-26-60	0556-0626	6½	S.Sh.	80	83	--	14-tooth clam dredge
2228	33°43'	77°50'	7-26-60	0640-0656	6	S.Sh.	80	82	--	14-tooth clam dredge
2229	33°47.5'	78°02'	7-26-60	1120-1135	6½	--	88	84	--	14-tooth clam dredge
2230	33°49'	78°02.5'	7-26-60	1145-1215	6	M.	86	84	--	14-tooth clam dredge
2231	33°49'	78°02'	7-26-60	1237-1307	6½-7½	M.	86	84	--	14-tooth clam dredge
2232	33°46'	78°06'	7-26-60	1315-1345	7½-6½	M.S.	86	84	--	14-tooth clam dredge
2233	33°45.5'	78°02.5'	7-26-60	1355-1425	6½	S.M.	86	84	--	14-tooth clam dredge
2234	33°45.2'	78°00.5'	7-26-60	1435-1505	6-4½	M.S.	86	84	--	14-tooth clam dredge
2235	33°46.8'	77°59.8'	7-26-60	1514-1544	4½	M.	86	84	72.9	14-tooth clam dredge
2236	33°47.5'	78°02'	7-26-60	1600-1630	4½-5	--	86	84	--	14-tooth clam dredge
2237	33°51'	78°03.5'	7-26-60	1652-1722	5-4½	--	86	85	--	14-tooth clam dredge
2238	33°52'	78°05.5'	7-26-60	1736-1806	4½-4	M.	81	85	--	14-tooth clam dredge
2239	33°51'	78°08.5'	7-26-60	1845-1945	6-5½	S.	81	85	--	41/61' 2-seam shrimp trawl
2240	33°51'	78°21'	7-26-60	2055-2155	6-5	S.	81	84	--	41/47' 2-seam shrimp trawl
2241	33°46.5'	78°34'	7-26-60	2311-0012	5	S.	81	84	--	41/47' 2-seam shrimp trawl
2242	33°39'	78°45'	7-27-60	0130-0230	6-5	S.	80	84	--	41/47' 2-seam shrimp trawl
2243	33°51'	78°53'	7-27-60	0350-0450	6	S.Sh.	81	84	--	41/47' 2-seam shrimp trawl
2244	33°17'	79°05'	7-27-60	0655-0725	6-4	--	--	86	--	14-tooth clam dredge
2245	33°15.5'	79°06'	7-27-60	0736-0807	4	--	80	84	--	14-tooth clam dredge
2246	33°13.5'	79°07'	7-27-60	0818-0848	4	M.S.	80	84	--	14-tooth clam dredge
2247	33°12'	79°07.5'	7-27-60	0900-0932	4-5	S.M.	80	84	--	14-tooth clam dredge
2248	33°15'	79°08'	7-27-60	0948-1018	5	M.	80	84	73.9	14-tooth clam dredge
2249	33°11.5'	79°07'	7-27-60	1111-1141	4-5	M.	84	85	--	14-tooth clam dredge
2250	33°09.5'	79°08.5'	7-27-60	1150-1220	--	M.	84	85	--	14-tooth clam dredge
2251	33°08'	79°09'	7-27-60	1229-1300	4½-5	M.S.	84	85	--	14-tooth clam dredge
2252	33°01.5'	79°13'	7-27-60	1357-1427	5-6	S.	83	85	--	14-tooth clam dredge
2253	32°56.5'	79°15.5'	7-27-60	1515-1550	5	S.Sh.	87	85	--	14-tooth clam dredge
2254	32°54.5'	79°27'	7-27-60	1630-1700	4½	--	87	86	--	14-tooth clam dredge
2255	32°47'	79°09.5'	7-27-60	1920-2020	11	S.Sh.	84	86	--	41/47' 2-seam shrimp trawl
2256	32°54'	78°57.5'	7-27-60	2137-2237	14	S.Sh.	84	85	--	41/47' 2-seam shrimp trawl
2257	33°02.5'	78°42'	7-28-60	0000-0100	12½-12	S.Sh.	80	84	--	41/47' 2-seam shrimp trawl
2258	33°11'	78°37'	7-28-60	0215-0315	11	S.Sh.	80	84	--	41/47' 2-seam shrimp trawl
2259	33°21'	78°31.5'	7-28-60	0430-0530	11	S.Sh.	80	83	--	41/47' 2-seam shrimp trawl
2260	33°29'	78°22'	7-28-60	0650-0750	12	S.Sh.	78	83	--	41/47' 2-seam shrimp trawl
2261	33°20'	78°13.5'	7-28-60	1002-1102	15	S.Sh.	80	83	--	41/47' 2-seam shrimp trawl
2262	33°14.5'	78°05.5'	7-28-60	1215-1315	17	S.Sh.	82	84	--	41/47' 2-seam shrimp trawl
2263	33°04'	78°12'	7-28-60	1450-1550	16	S.Sh.	82	85	--	41/47' 2-seam shrimp trawl
2264	32°55.5'	78°28'	7-28-60	1655-1755	20	S.Sh.	83	85	--	41/47' 2-seam shrimp trawl
2265	32°48.5'	78°38'	7-28-60	1917-2017	18-17	S.Sh.	83	84	--	41/47' 2-seam shrimp trawl
2266	32°39'	78°32.5'	7-28-60	2212-2242	50-52	Rk.	83	84	--	14-tooth clam dredge
2267	32°35.2'	78°29'	7-29-60	0025-0055	103	S.Co.	77	84	--	14-tooth clam dredge
2268	32°36'	78°30'	7-29-60	--	104-108	--	--	84	--	Night light station
2269	28°25'	80°14'	8-3-60	1035-1105	17	S.Sh.	82	--	--	8' scallop dredge
2270	28°24'	80°12'	8-3-60	1120-1150	21	S.Sh.	84	--	--	8' scallop dredge
2271	28°09'	80°10'	8-3-60	1330-1345	19	S.Sh.	84	--	--	8' scallop dredge
2272	27°54'	80°09'	8-3-60	1605-1620	17	S.Sh.	83	--	--	8' scallop dredge
2273	27°54'	80°09'	8-3-60	1645-1706	17-20	S.Sh.	82	--	--	8' scallop dredge
2274	27°54'	80°09'	8-3-60	1715-1730	16-17	S.Sh.	82	--	--	8' scallop dredge
2275	27°54'	80°09'	8-3-60	1805-1820	16	S.Sh.	80	--	--	8' scallop dredge
2276	27°54'	80°09'	8-3-60	1835-1905	16	S.Sh.	80	--	--	8' scallop dredge
2277	27°54'	80°09'	8-3-60	1930-1955	16	S.Sh.	80	--	--	8' scallop dredge
2278	29°55'	87°33'	8-7-60	1255-1310	16	S.Sh.	86	--	--	8' scallop dredge
2279	29°55'	87°33'	8-7-60	1320-1330	16	S.Sh.	86	--	--	8' scallop dredge
2280	29°30.5'	80°34.5'	10-11-60	0435-0505	15	S.Sh.	77	81	--	8' scallop dredge
2281	29°26'	80°29'	10-11-60	0550-0620	15	S.Sh.	77	81	--	8' scallop dredge
2282	29°17.5'	80°31'	10-11-60	0718-0747	15	S.Sh.	76	81	--	8' scallop dredge
2283	29°10.5'	80°29'	10-11-60	0828-0857	15	S.Sh.	76	81	--	8' scallop dredge
2284	29°07'	80°27.5'	10-11-60	0922-0958	15	S.Sh.	100	81	--	8' scallop dredge
2285	29°04'	80°26.5'	10-11-60	1007-1045	15	S.Sh.	100	81	--	8' scallop dredge
2286	29°06.5'	80°24'	10-11-60	1057-1130	15	S.Sh.	81	81	--	8' scallop dredge
2287	29°07.5'	80°24.5'	10-11-60	1215-1245	17	S.Sh.	81	81	--	8' scallop dredge
2288	29°11'	80°28'	10-11-60	1320-1350	13-12	S.Sh.	81	81	--	8' scallop dredge
2289	29°11'	80°31'	10-11-60	1400-1430	12-13	S.Sh.	81	81	--	8' scallop dredge
2290	29°10.3'	80°31'	10-11-60	1502-1536	13	S.Sh.	81	81	--	8' scallop dredge
2291	29°07.5'	80°30'	10-11-60	1605-1635	13	S.	84	81	--	8' scallop dredge
2292	29°12'	80°21.5'	10-11-60	1750-1820	17	S.	84	81	--	8' scallop dredge
2293	29°14'	80°17'	10-11-60	1900-1930	22	--	83	81	--	8' scallop dredge
2294	29°06.5'	80°18'	10-11-60	2016-2046	21	S.	78	81	--	8' scallop dredge
2295	29°00'	80°18.5'	10-11-60	2134-2204	21	S.	78	81	--	8' scallop dredge
2296	28°57.5'	80°16.5'	10-11-60	2219-2249	21	--	78	81	--	8' scallop dredge
2297	28°55.5'	80°16'	10-11-60	2303-2335	21-23	S.Sh.	76	81	--	8' scallop dredge
2298	28°55.5'	80°13'	10-11-60	2346-0016	23	S.Sh.	76	81	--	8' scallop dredge
2299	28°55'	80°13.5'	10-12-60	0037-0107	23-22	S.Sh.	79	81	--	8' scallop dredge
2300	28°52.5'	80°13.5'	10-12-60	0118-0148	22-19	S.Sh.	79	84	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2301	28°52.5'	80°17'	10-12-60	0215-0245	19	S.Sh.	79	84	--	8' scallop dredge
2302	28°55'	80°16'	10-12-60	0257-0328	19	S.Sh.	79	84	--	8' scallop dredge
2303	28°47'	80°14'	10-12-60	0425-0455	23-24	S.Sh.	75	84	--	8' scallop dredge
2304	28°41'	80°10.5'	10-12-60	0530-0600	23	S.Sh.	73	84	--	8' scallop dredge
2305	28°35.5'	80°10.5'	10-12-60	0630-0700	22	S.Sh.	73	84	--	8' scallop dredge
2306	28°24'	80°10'	10-12-60	0953-1030	22-21	Sh.	80	84	--	8' scallop dredge
2307	28°25'	80°09.5'	10-12-60	1040-1110	21-20	S.Sh.	82	84	--	8' scallop dredge
2308	28°29.5'	80°11.5'	10-12-60	1122-1152	20	S.Sh.	82	84	--	8' scallop dredge
2309	28°26'	80°11'	10-12-60	1203-1233	20	S.Sh.G.	85	84	--	8' scallop dredge
2310	28°28.5'	80°11'	10-12-60	1300-1330	20-21	S.Sh.G.	86	84	--	8' scallop dredge
2311	28°33.5'	80°13.5'	10-12-60	1423-1453	20-19	S.Sh.	88	84	--	10' scallop dredge
2312	28°34.5'	80°14'	10-12-60	1517-1547	17-18	S.Sh.	88	84	--	10' scallop dredge
2313	28°31'	80°15.5'	10-12-60	1602-1632	18	S.Sh.	85	84	--	10' scallop dredge
2314	28°22.5'	80°10.3'	10-12-60	1735-1805	21	S.Sh.	79	84	--	10' scallop dredge
2315	28°11.5'	80°09'	10-12-60	1917-1947	20-18	S.Sh.	79	84	--	10' scallop dredge
2316	28°09'	80°10'	10-12-60	1958-2017	18	S.Sh.	79	84	--	10' scallop dredge
2317	27°56'	80°10.5'	10-12-60	2215-2245	15	S.Sh.	79	84	--	10' scallop dredge
2318	27°55.5'	80°09.5'	10-12-60	2318-2348	18	S.Sh.	78	84	--	10' scallop dredge
2319	27°52.5'	80°06.5'	10-13-60	0052-0108	18	S.G.Sh.	78	84	--	10' scallop dredge
2320	27°52.5'	80°07'	10-17-60	0004-0034	19	S.Sh.	77	82	--	10' scallop dredge
2321	27°54'	80°06.3'	10-17-60	0100-0120	18	S.Sh.	77	82	--	10' scallop dredge
2322	27°52.5'	80°07'	10-17-60	0200-0220	18	S.Sh.	77	82	--	10' scallop dredge
2323	27°52.5'	80°08.5'	10-17-60	0250-0310	18	S.Sh.	77	82	--	10' scallop dredge
2324	27°52.5'	80°06'	10-17-60	0335-0405	18-16	S.G.	76	82	--	10' scallop dredge
2325	27°52.5'	80°06'	10-17-60	0417-0437	18-16	G.S.Sh.	76	82	--	10' scallop dredge
2326	27°52'	80°08'	10-17-60	0450-0520	16	S.G.Sh.	76	82	--	10' scallop dredge
2327	27°52.5'	80°06'	10-17-60	0535-0605	18	S.G.Sh.	78	82	--	10' scallop dredge
2328	27°54'	80°08'	10-17-60	0630-0700	17	S.G.Sh.	78	82	--	10' scallop dredge
2329	27°55'	80°08.5'	10-17-60	0708-0738	17-20	S.G.Sh.	80	82	--	10' scallop dredge
2330	27°55'	80°06'	10-17-60	0744-0814	20	S.Sh.	80	82	--	10' scallop dredge
2331	27°52.5'	80°06'	10-17-60	0913-0943	17-18	S.Sh.	82	82	--	10' scallop dredge
2332	27°50'	80°09'	10-17-60	1015-1045	14-15	S.Sh.	80	82	--	10' scallop dredge
2333	27°52.5'	80°07'	10-17-60	1150-1220	19	S.Sh.	80	82	--	10' scallop dredge
2334	27°53.5'	80°09.5'	10-17-60	1240-1300	18-17	S.Sh.	80	82	--	10' scallop dredge
2335	27°53'	80°09.5'	10-17-60	1315-1335	19	S.Sh.	80	82	--	10' scallop dredge
2336	27°53'	80°09.5'	10-17-60	1405-1430	19	S.Sh.	80	82	--	10' scallop dredge
2337	27°53'	80°09.5'	10-17-60	2215-2245	19	S.Sh.	77	72	--	10' scallop dredge
2338	27°53'	80°09.5'	10-18-60	1033-1103	19	S.Sh.	85	82	--	10' scallop dredge
2339	27°53'	80°09.5'	10-18-60	1013-1043	19	S.Sh.	90	82	--	10' scallop dredge
2340	27°53'	80°09.3'	10-19-60	1303-1333	19	S.Sh.	83	81	--	10' scallop dredge
2341	27°53'	80°09.3'	10-19-60	1203-1233	19	S.Sh.	83	81	--	10' scallop dredge
2342	27°53'	80°09.3'	10-19-60	1244-1314	19	S.Sh.	83	81	--	10' scallop dredge
2343	27°53'	80°09.3'	10-20-60	1108-1138	19	S.Sh.	87	82	--	10' scallop dredge
2344	27°53'	80°09.3'	10-20-60	1147-1218	19	S.Sh.	87	82	--	10' scallop dredge
2345	27°53'	80°09.3'	10-20-60	1228-1258	19	S.Sh.	87	82	--	10' scallop dredge
2346	27°53'	80°09.3'	10-21-60	1128-1158	19	--	--	82	--	10' scallop dredge
2347	27°53'	80°09.3'	10-21-60	1205-1235	19	S.Sh.	88	81	--	10' scallop dredge
2348	27°53'	80°09.3'	10-21-60	1245-1315	19	S.Sh.	88	82	--	10' scallop dredge
2349	27°53'	80°09.3'	10-21-60	1326-1356	19	S.Sh.	88	82	72	10' scallop dredge
2350	25°34.5'	80°05'	10-24-60	1635-1705	36	Spg.	78	82	--	8' scallop dredge
2351	25°32.8'	80°04.5'	10-24-60	1718-1748	36	Spg.	78	75	--	8' scallop dredge
2352	25°34.1'	80°05.5'	10-24-60	1843-1905	15	Spg.	78	75	--	8' scallop dredge
2353	25°31.3'	80°05.7'	10-24-60	1923-1938	15	--	78	75	--	8' scallop dredge
2354	25°17'	80°09.5'	10-24-60	2123-2153	27	--	78	75	--	40' flat trawl
2355	25°15.5'	80°10'	10-24-60	2218-2245	15	--	78	75	--	40' flat trawl
2356	25°17'	80°09.5'	10-24-60	2318-2355	25	--	78	75	--	41/47' 2-seam balloon trawl
2357	25°04'	80°17'	10-25-60	0142-0242	35-30	--	78	75	--	41/47' 2-seam balloon trawl
2358	25°01'	80°20'	10-25-60	0325-0425	23-19½	Spg.	78	83	--	41/47' 2-seam balloon trawl
2359	24°58.5'	80°21'	10-25-60	0520-0620	59-19	Spg.	78	83	--	40/45' 2-seam balloon trawl
2360	25°00'	80°20.5'	10-25-60	0726-0756	37	Spg.Co.	78	76	--	8' scallop dredge
2361	24°55'	80°22.5'	10-25-60	0823-0853	26-30	Co.Spg.	78	76	--	8' scallop dredge
2362	24°56'	80°22'	10-25-60	0957-1027	46	Spg.	78	75	--	8' scallop dredge
2363	24°58.5'	80°19.5'	10-25-60	1117-1148	75-69	Co.	84	75	--	8' scallop dredge
2364	24°58.5'	80°20.5'	10-25-60	1237-1257	36-35	Spg.	84	83	--	8' scallop dredge
2365	24°56'	80°21.5'	10-25-60	1315-1330	32-30	Spg.	84	83	--	8' scallop dredge
2366	24°59.5'	80°20.5'	10-25-60	1342-1357	31-35	Spg.Co.	86	83	--	8' scallop dredge
2367	24°59'	80°19'	10-25-60	1410-1425	38-39	Spg.Co.	80	83	--	8' scallop dredge
2368	24°59.5'	80°20'	10-25-60	1438-1508	39-46	Co.	80	83	--	8' scallop dredge
2369	25°01'	80°19.5'	10-25-60	1525-1555	46-45	Co.Spg.	84	83	--	8' scallop dredge
2370	24°56.5'	80°22.5'	10-25-60	1655-1726	40-41	Co.Sp.	84	83	--	8' scallop dredge
2371	24°51'	80°24.5'	10-25-60	1756-1826	50	--	80	83	--	8' scallop dredge
2372	24°51'	80°31'	10-25-60	1850-1930	50	--	80	83	--	Dip Station
2373	24°51.5'	80°34.5'	10-25-60	2028-2058	20	sft.M.	80	83	--	8' scallop dredge
2374	24°50.5'	80°37.5'	10-25-60	2118-2125	15	Co.Spg.	80	83	--	8' scallop dredge
2375	24°49'	80°36'	10-25-60	2150-2220	25	sft.M.	80	83	--	8' scallop dredge
2376	24°47.5'	80°40'	10-25-60	2242-2342	25	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2377	24°49.5'	80°37.5'	10-26-60	0012-0113	21-20	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2378	24°47'	80°41'	10-26-60	0135-0235	20-21	sft.M.	75	83	--	40/45' 2-seam balloon trawl
2379	24°45.5'	80°40'	10-26-60	0340-0440	30	M.Sh.	75	83	--	40/45' 2-seam balloon trawl
2380	24°44'	80°43.5'	10-26-60	0500-0600	30	--	86	83	--	40/45' 2-seam balloon trawl
2381	24°42'	80°48'	10-26-60	0646-0716	50-47	M.Rk.	--	83	--	41/45' 2-seam balloon trawl
2382	24°42'	80°46.5'	10-26-60	0734-0804	45	--	80	83	--	8' scallop dredge
2383	24°43'	80°43.5'	10-26-60	0826-0900	48	M.	80	83	--	8' scallop dredge
2384	24°44.5'	80°40.5'	10-26-60	0927-0957	60	sft.M.	80	83	--	8' scallop dredge
2385	24°47.5'	80°36.5'	10-26-60	1034-1104	40	sft.M.	86	83	--	8' scallop dredge
2386	24°46'	80°41'	10-26-60	1127-1357	35	sft.M.	86	83	--	8' scallop dredge
2387	24°40'	80°41.5'	10-26-60	1300-1400	100	Rk.	86	83	--	8' scallop dredge
2388	24°43'	80°45'	10-26-60	1830-1930	40	M.	79	83	--	40/45' 2-seam balloon trawl
2389	24°45'	80°40.5'	10-26-60	1951-2051	45	M.	79	83	--	40/45' 2-seam balloon trawl
2390	24°42.5'	80°44'	10-26-60	2135-2235	50	--	75	83	--	40/45' 2-seam balloon trawl
2391	24°41'	80°40'	10-27-60	2310-0010	60	M.	81	83	--	40/45' 2-seam balloon trawl
2392	24°42.5'	80°43'	10-27-60	0035-0135	70	--	81	83	--	40/45' 2-seam balloon trawl
2393	24°44'	80°42'	10-27-60	0220-0420	45	--	80	83	--	40/45' 2-seam balloon trawl
2394	24°41.5'	80°49.5'	10-27-60	0510-0610	25	--	80	83	--	40/47' 2-seam balloon trawl
2395	24°40'	80°53'	10-27-60	0647-0747	35	--	80	83	--	40/47' 2-seam balloon trawl
2396	24°41'	80°52'	10-27-60	0835-0905	25	--	80	83	--	8' scallop dredge
2397	24°39.5'	80°55.5'	10-27-60	0938-1008	35	--	80	83	--	8' scallop dredge
2398	24°38'	80°56'	10-27-60	1017-1047	35	--	80	83	--	8' scallop dredge
2399	24°37'	81°00.5'	10-27-60	1058-1128	40	--	84	83	--	8' scallop dredge
2400	24°38'	81°05'	10-27-60	1156-1226	50	--	84	83	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2401	24°34.5'	81°07'	10-27-60	1244-1314	30-30	M.	84	83	--	8' scallop dredge
2402	24°35'	81°09'	10-27-60	1330-1400	30-25	Co.M.	84	84	--	8' scallop dredge
2403	24°34.5'	81°09.5'	10-27-60	1428-1458	40	--	--	85	--	8' scallop dredge
2404	24°34'	81°11.5'	10-27-60	1515-1545	45-50	--	84	85	--	8' scallop dredge
2405	24°31.5'	81°13'	10-27-60	1610-1640	75	--	84	84	--	8' scallop dredge
2406	24°31'	81°15.5'	10-27-60	1705-1745	75-100	Rk.	83	84	--	8' scallop dredge
2407	24°32.5'	81°17.5'	10-27-60	1847-2047	40	M.	83	84	--	40/45' 2-seam balloon trawl
2408	24°35'	81°11.5'	10-27-60	2122-2322	30	sft.M.	83	84	--	40/45' 2-seam balloon trawl
2409	24°35'	81°07.5'	10-28-60	0055-0255	32-30	--	78	84	--	40/45' 2-seam balloon trawl
2410	24°34'	81°14'	10-28-60	0310-0510	30	--	78	84	--	40/45' 2-seam balloon trawl
2411	24°32'	81°21.5'	10-28-60	0535-0635	30-35	--	78	84	--	40/45' 2-seam balloon trawl
2412	24°31.5'	81°26.5'	10-28-60	0718-0748	35	--	78	83	--	8' scallop dredge
2413	24°30.5'	81°25'	10-28-60	0806-0837	40	--	78	83	--	8' scallop dredge
2414	24°29'	81°30'	10-28-60	0859-0929	50	--	78	83	--	8' scallop dredge
2415	24°26'	81°28'	10-28-60	1015-1020	95	Rk.	80	83	--	8' scallop dredge
2416	24°18'	81°29'	10-28-60	1137-1203	125	Rk.	80	83	--	6' tumbler dredge
2417	24°14.5'	81°24'	10-28-60	1310-1340	150-155	Co.	80	83	--	6' tumbler dredge
2418	24°14.5'	81°24'	10-28-60	1412-1442	145-160	Co.Rk.	80	83	--	6' tumbler dredge
2419	24°14.5'	81°24'	10-28-60	1610-1640	250	--	80	85	--	6' tumbler dredge
2420	24°14.5'	81°24.5'	10-28-60	1738-1938	250	--	80	84	--	40/45' 2-seam balloon trawl
2421	24°13'	81°24'	10-28-60	2122-2250	325	--	80	84	--	40/45' 2-seam balloon trawl
2422	24°12'	81°30.5'	10-29-60	0026-0226	375-350	--	78	83	--	6' tumbler dredge
2423	24°14.5'	81°23'	10-29-60	0327-0456	250-245	Rk.	78	83	--	6' tumbler dredge
2424	24°14.5'	81°26.5'	10-29-60	0605-0713	150	--	78	83	--	6' tumbler dredge
2425	24°24'	81°59'	10-29-60	1339-1358	75	Rk. Co.	80	84	--	6' tumbler dredge
2426	24°23.5'	81°59'	10-29-60	1515-1525	120-115	Rk.	80	83	--	6' tumbler dredge
2427	24°20'	82°04'	10-29-60	1640-1700	120	--	85	83	--	6' tumbler dredge
2428	24°20'	82°44'	10-29-60	2205-2305	95	M.Sh.	85	81	--	6' tumbler dredge
2429	24°22'	82°53'	10-30-60	0000-0030	60	Sh.	78	81	--	8' scallop dredge
2430	24°24'	82°58'	10-30-60	0046-0115	60-50	--	78	81	--	8' scallop dredge
2431	24°25'	83°01'	10-30-60	0133-0203	50	--	78	81	--	8' scallop dredge
2432	24°27'	83°04'	10-30-60	0218-0248	40	Co.	78	81	--	8' scallop dredge
2433	24°28'	82°58'	10-30-60	0320-0350	30	Spg.Co.	77	81	--	8' scallop dredge
2434	24°24'	82°55'	10-30-60	0440-0510	40-42	Spg.	77	82	--	8' scallop dredge
2435	24°29.5'	83°13'	10-30-60	0658-0728	33-33	--	77	82	--	8' scallop dredge
2436	24°29.5'	82°13.5'	10-30-60	0748-0830	33	--	77	82	--	8' scallop dredge
2437	24°51'	82°41.5'	10-30-60	--	17	Rk.	87	82	--	Dip net and hand line station
2438	24°51'	82°39'	10-30-60	1815-1915	18	M.	87	84	--	60/80' 2-seam balloon trawl
2439	24°51'	82°37.5'	10-30-60	1929-2129	18-15	--	87	84	--	60/80' 2-seam balloon trawl
2440	24°45'	82°38'	10-30-60	2148-0048	15	Co.M.Sh.	78	83	--	60/80' 2-seam balloon trawl
2441	24°51'	82°25'	10-31-60	0110-0410	15-17	M.S.	78	83	--	60/80' 2-seam balloon trawl
2442	24°00'	80°27'	11-2-60	2107-2205	12	--	77	83	--	40/45' 2-seam balloon trawl
2443	24°08'	80°09'	11-3-60	0140-0210	180-200	Rk.	77	83	--	6' tumbler dredge
2444	24°11'	79°51'	11-3-60	0400-0445	250	--	77	83	--	6' tumbler dredge
2445	24°08'	80°08'	11-3-60	0628-0706	138	Co.Rk.	77	83	--	6' tumbler dredge
2446	24°08'	80°09.5'	11-3-60	0742-0808	100-22	--	77	83	--	6' tumbler dredge
2447	24°00.5'	80°25'	11-3-60	1014-1022	125-90	Sh.	77	83	--	6' tumbler dredge
2448	24°00'	80°29'	11-3-60	1123-1253	270	--	--	83	--	40/45' 2-seam balloon trawl
2449	23°58'	80°34'	11-3-60	1340-1550	270	--	81	83	--	40/45' 2-seam balloon trawl
2450	23°42'	80°25'	11-3-60	1940-2040	10	--	--	83	--	Dip station
2451	23°30'	79°33'	11-4-60	2017-2022	5-6	S.	77	83	--	40' 2-seam balloon trawl
2452	23°30'	79°04'	11-5-60	0130-0200	125-130	--	77	83	--	6' tumbler dredge
2453	23°34'	79°02.5'	11-5-60	0248-0335	160-180	--	77	83	--	6' tumbler dredge
2454	23°34'	79°04'	11-5-60	0420-0535	210-240	--	75	83	--	6' tumbler dredge
2455	23°34.5'	79°05'	11-5-60	0645-0745	90-103	--	76	83	--	6' tumbler dredge
2456	23°30.5'	79°06'	11-5-60	0830-1030	150	Grs.	76	83	--	40' balloon trawl
2457	23°34.5'	79°07'	11-5-60	1142-1342	250	--	82	83	--	40' balloon trawl
2458	23°40'	79°18'	11-5-60	1600-1900	290	--	--	83	--	40/45' 2-seam balloon trawl
2459	23°47'	79°20'	11-5-60	1938-2115	290	--	77	83	--	Dip station
2460	23°35'	79°34.5'	11-6-60	0012-0042	130-100	S.Sh.	78	83	--	6' tumbler dredge
2461	23°35'	79°33'	11-6-60	0155-0230	180-160	M.	78	83	--	6' tumbler dredge
2462	23°37'	79°34'	11-6-60	0330-0445	200-225	Co.	76	83	--	6' tumbler dredge
2463	23°36'	79°33'	11-6-60	0548-0710	275	--	76	83	--	6' tumbler dredge
2464	23°34'	79°05'	11-6-60	1141-1341	150	--	86	84	--	40/45' 2-seam balloon trawl
2465	23°40'	79°04'	11-6-60	1523-1534	75-90	M.	86	83	--	6' tumbler dredge
2466	23°40.2'	79°04'	11-6-60	1610-1640	75-90	Co.	86	83	--	6' tumbler dredge
2467	23°40.2'	79°06.5'	11-6-60	1707-1807	125	--	86	83	--	40/45' 2-seam balloon trawl
2468	23°52'	79°11'	11-6-60	1940-2140	210-200	--	78	83	--	40/45' 2-seam balloon trawl
2469	23°59'	79°17.5'	11-6-60	2253-0153	290-300	--	78	83	--	40' 2-seam balloon trawl
2470	24°25'	79°13'	11-7-60	0455-0625	125	--	76	83	68.2	40/45' 2-seam balloon trawl
2471	24°34'	79°16'	11-7-60	0847-1047	150	--	76	82	--	40/45' 2-seam balloon trawl
2472	24°40'	79°16'	11-7-60	1130-1330	200	--	78	82	--	40/45' 2-seam balloon trawl
2473	24°45'	79°18'	11-7-60	1508-1808	300	--	--	82	62	40/45' 2-seam balloon trawl
2474	24°56'	79°18'	11-7-60	2005-2305	300	--	73	82	--	40' 2-seam balloon trawl
2475	24°48'	79°17'	11-8-60	0030-0330	300	--	70	82	--	40' 2-seam balloon trawl
2476	25°22.5'	79°14.5'	11-8-60	0859-1029	100	--	70	82	67.46	40' 2-seam balloon trawl
2477	25°13'	79°13'	11-8-60	--	200	--	77	81	77.7	40' 2-seam balloon trawl
2478	25°22'	79°19'	11-8-60	1558-1835	300	--	73	81	--	40' 2-seam balloon trawl
2479	25°29.5'	79°19'	11-9-60	2318-0118	200	--	73	81	--	40/45' 2-seam balloon trawl
2480	26°06.5'	79°10'	11-9-60	0640-0740	122-125	Co.	72	80	--	6' tumbler dredge
2481	26°08'	79°11.5'	11-9-60	0855-1025	200	--	72	81	--	6' tumbler dredge
2482	26°07'	79°12'	11-9-60	1252-1452	200	M.	82	81	--	40/45' 2-seam balloon trawl
2483	26°25.5'	79°01'	11-9-60	1817-1950	300	M.	82	81	--	40/45' 2-seam balloon trawl
2484	26°39'	79°30'	11-10-60	0108-0220	400	--	--	81	--	40/45' 2-seam balloon trawl
2485	25°46.5'	79°18.5'	11-10-60	--	25	Rk. Co.	78	81	--	6' tumbler dredge
2486	25°49'	79°18'	11-10-60	1008-1012	25-60	--	78	81	--	6' tumbler dredge
2487	25°48'	79°18.5'	11-10-60	1040-1057	115-75	--	78	81	--	6' tumbler dredge
2488	25°41'	79°20'	11-10-60	1220-1252	115-45	Co.	93	81	81.32	6' tumbler dredge
2489	25°43'	79°20'	11-10-60	1342-1415	165-75	--	93	82	--	6' tumbler dredge
2490	25°39'	79°50'	11-10-60	1815-1920	220	--	--	81	79	Dip station
2491	25°45'	79°58.5'	11-10-60	2035-2110	150	--	78	81	--	Dip station
2492	25°45'	79°58.5'	11-10-60	2123-2223	150	--	78	81	67.5	6' tumbler dredge
2493	25°45'	79°58.5'	11-10-60	2342-0042	150	--	79	80	--	6' tumbler dredge
2494	27°01'	79°59.5'	11-12-60	1818-1848	17	--	75	79	--	8' scallop dredge
2495	27°03.5'	80°00'	11-12-60	1905-1935	20	S.	75	79	--	8' scallop dredge
2496	27°01'	79°58.5'	11-12-60	1949-2219	23-25	S.	75	79	--	8' scallop dredge
2497	27°03'	79°58.5'	11-12-60	2045-2115	40	--	75	79	--	8' scallop dredge
2498	27°03'	79°58.5'	11-12-60	2134-2204	40	--	75	79	--	8' scallop dredge
2499	27°05.5'	80°02'	11-12-60	2239-2309	14	S.	75	79	--	8' scallop dredge
2500	27°07'	80°01.5'	11-12-60	2330-2400	18	S.	75	79	--	8' scallop dredge

Table 4.--M/V Silver Bay station list--Continued

Station number	Locality		Date	Time	Depth	Bottom type	Temperatures			Type of gear used
	Lat. N.	Long. W.					Air	Sur.	Bot.	
					Fathoms		°F.	°F.	°F.	
2501	27°08'	80°00.5'	11-12-60	0020-0050	21-22	S.	75	79	--	8' scallop dredge
2502	27°09'	80°00.5'	11-13-60	0110-0140	25	--	75	79	--	8' scallop dredge
2503	27°11.5'	80°02'	11-13-60	0222-0252	19	G.S.	75	79	--	8' scallop dredge
2504	27°13'	80°02'	11-13-60	0312-0342	16	--	75	79	--	8' scallop dredge
2505	27°14.5'	80°03.2'	11-13-60	0400-0430	14	--	75	79	--	8' scallop dredge
2506	27°15.5'	80°02.2'	11-13-60	0453-0538	20-24	S.G.	75	79	--	8' scallop dredge
2507	27°14'	80°01.5'	11-13-60	0551-0636	24-28	--	76	79	--	8' scallop dredge
2508	27°14.5'	80°01.5'	10-13-60	0700-0730	21	G.	75	79	--	8' scallop dredge
2509	27°17'	80°03'	11-13-60	0818-0848	17	G.	76	79	--	8' scallop dredge
2510	27°18.5'	80°02'	11-13-60	0906-0936	19	G.	76	79	--	8' scallop dredge
2511	27°19.5'	80°01.5'	11-13-60	0906-0936	20-21	G.	76	79	--	8' scallop dredge
2512	27°21'	80°03'	11-13-60	1048-1117	15	G.	81	79	--	8' scallop dredge
2513	27°50'	80°09'	11-13-60	1525-1555	18	G.	81	79	--	8' scallop dredge
2514	27°52'	80°07'	11-13-60	1700-1730	18	S.Sh.	75	79	--	8' scallop dredge
2515	27°52'	80°07'	11-13-60	1742-1812	18	S.Sh.	75	79	--	8' scallop dredge
2516	27°52'	80°09'	11-14-60	0005-0035	18-19	S.Sh.	76	79	--	8' scallop dredge
2517	27°52'	80°09'	11-14-60	0046-0114	19	S.Sh.	76	78	--	8' scallop dredge
2518	27°52'	80°09'	11-14-60	0746-0805	--	S.Sh.	74	78	--	8' scallop dredge
2519	27°52'	80°09'	11-14-60	1300-1330	19	S.Sh.	90	77	--	8' scallop dredge
2520	27°52'	80°09'	11-14-60	1347-1412	19	S.Sh.	90	78	--	8' scallop dredge
2521	27°52'	80°09'	11-14-60	1430-1500	19	S.Sh.	90	77	76.28	8' scallop dredge
2522	28°45.5'	80°07.5'	11-15-60	0735-0820	37	S.	73	78	--	8' scallop dredge
2523	28°53'	80°05'	11-15-60	0919-1019	49	--	73	77	--	8' scallop dredge
2524	32°58'	78°58'	12-2/3-60	2119-0720	12	Sh.Co.	--	63	--	8' scallop dredge
2525	33°01'	78°49'	12-3-60	0856-0956	10-13	S.Sh.	64	62	64.85	40/60' 2-seam fish trawl
2526	33°00'	76°37.5'	12-3-60	1107-1207	13-14	S.	64	62	68.75	40/60' 2-seam fish trawl
2527	32°53'	76°33'	12-3-60	1337-1437	20	S.	64	71	70.8	40/60' 2-seam fish trawl
2528	32°47.5'	76°19.5'	12-3-60	1642-1753	30	--	53	73	--	60/80' 2-seam balloon trawl
2529	32°40'	78°25'	12-3-60	1920-2120	95	--	53	73	--	Dip station
2530	32°37.5'	78°23'	12-4-60	0630-0700	90	Rk.	55	73	--	6' tumbler dredge
2531	32°44'	76°32.5'	12-4-60	1005-1035	23	S.Sh.	55	73	--	50/70' 2-seam balloon trawl
2532	32°49'	76°32'	12-4-60	1124-1220	22	--	58	72	--	50/70' 2-seam balloon trawl
2533	32°55'	76°31.5'	12-4-60	1335-1445	21	S.Sh.	58	68	69.8	50/70' 2-seam balloon trawl
2534	32°51'	78°01'	12-4-60	1845-2145	--	S.	60	74	--	Dip station w/500 watt light
2535	32°51'	78°01'	12-5-60	0630-0700	85	S.	62	74	--	6' tumbler dredge
2536	33°00'	78°02'	12-5-60	0907-1007	30-28	S.Sh.	64	74	75.2	50/70' 2-seam fish trawl
2537	33°08'	77°46'	12-5-60	1304-1404	30-40	S.	80	74	--	50/70' 2-seam fish trawl
2538	33°07'	77°40'	12-5-60	1522-1624	48	S.Sh.	78	75	--	50/70' 2-seam fish trawl
2539	33°03.5'	77°33.5'	12-5-60	1804-1834	100	S.Sh.	64	76	--	6' tumbler dredge
2540	33°12'	77°14'	12-5-60	2100-2400	110	--	64	77	--	Dip station and larval trawl
2541	33°12'	77°14'	12-6-60	0700-0730	105-92	M.S.	65	77	--	6' tumbler dredge
2542	33°24.5'	77°12.5'	12-6-60	0928-1028	22-24	S.Sh.	72	76	--	50/70' 2-seam fish trawl
2543	33°26.5'	77°13'	12-6-60	1122-1224	22	S.Sh.	86	75	74.8	50/70' 2-seam fish trawl
2544	33°19'	77°19'	12-6-60	1354-1519	17	S.Sh.	86	76	--	50/70' 2-seam balloon trawl
2545	33°12.5'	77°26'	12-6-60	1709-1810	27	S.Sh.	65	77	--	50/70' 2-seam balloon trawl
2546	33°11'	77°26'	12-6-60	1835-2100	27	--	65	77	--	Dip station
2547	33°11'	77°26'	12-7-60	0700-0735	27-57	Sh.	67	77	--	6' tumbler dredge
2548	30°00'	78°39.5'	12-7-60	1649-1755	16	S.Sh.	--	66	68	50/70' 2-seam fish trawl
2549	32°52'	79°14'	12-8-60	0700-0730	8	S.Sh.	56	56	--	14-tooth clam dredge
2550	32°58'	79°16.5'	12-8-60	0817-0847	6	M.Sh.	56	56	59.9	14-tooth clam dredge
2551A	32°56.5'	79°19.5'	12-8-60	0904-1016	6	M.Sh.	56	55	--	40' 2-seam shrimp trawl
2551B	32°56.5'	79°19.5'	12-8-60	0904-0934	6	M.S.	56	55	--	14-tooth clam dredge
2552	32°56.5'	79°21'	12-8-60	--	6	M.Sh.	56	55	--	14-tooth clam dredge
2553	32°55'	79°22.5'	12-8-60	1025-1117	6	S.Sh.	58	55	--	40' 2-seam shrimp trawl
2554	32°56'	79°30'	12-8-60	1145-1215	4	M.Sh.	56	56	--	14-tooth clam dredge
2555	32°52'	79°30'	12-8-60	1230-1300	4	M.Sh.	56	56	--	14-tooth clam dredge
2556	32°47.5'	79°35'	12-8-60	1322-1352	5	--	56	54	--	14-tooth clam dredge
2557	32°47.5'	79°37'	12-8-60	1400-1430	5	--	--	54	--	14-tooth clam dredge
2558	32°47.5'	79°38.5'	12-8-60	1445-1515	5	--	56	54	--	14-tooth clam dredge
2559	32°40'	79°37.5'	12-8-60	1558-1602	6	--	55	54	--	14-tooth clam dredge
2560	32°37'	79°51'	12-10-60	1227-1257	5	S.Sh.	54	54	--	14-tooth clam dredge
2561	32°33.5'	79°55.5'	12-10-60	1321-1351	5	--	54	54	--	14-tooth clam dredge
2562	32°33'	79°57'	12-10-60	1426-1456	4½	--	54	51	--	14-tooth clam dredge
2563	32°32'	80°03'	12-10-60	1520-1550	4½	--	50	53	--	14-tooth clam dredge
2564	32°30.5'	80°07'	12-10-60	1616-1646	4½	--	50	53	--	14-tooth clam dredge
2565	32°28'	80°11'	12-10-60	1709-1739	5	--	50	53	--	14-tooth clam dredge
2566	32°26'	80°15'	12-10-60	1802-1832	5	--	53	53	55.4	14-tooth clam dredge
2567	32°21.5'	80°16.5'	12-10-60	1857-1927	4½	--	53	52	--	14-tooth clam dredge
2568	32°18'	80°21'	12-10-60	--	5	S.Sh.	53	53	--	14-tooth clam dredge
2569	32°16.5'	80°26.5'	12-10-60	2047-2117	5	S.Sh.	60	53	--	14-tooth clam dredge
2570	32°11'	80°29'	12-10-60	2139-2140	6	S.Sh.	55	54	--	14-tooth clam dredge
2571	32°07'	80°32'	12-10-60	2220-2250	7	S.Sh.	55	54	--	14-tooth clam dredge
2572	32°04'	80°37.5'	12-10-60	2319-2349	7	S.	56	54	--	14-tooth clam dredge
2573	31°58.5'	80°34.5'	12-11-60	0035-0105	4½	M.Sh.	58	54	--	14-tooth clam dredge
2574	31°56.5'	80°48.5'	12-11-60	0132-0202	4-4½	M.Sh.	58	54	--	14-tooth clam dredge
2575	31°52'	80°52'	12-11-60	0230-0300	5-4½	- -	58	54	--	14-tooth clam dredge
2576	30°50.5'	80°54.5'	12-11-60	0313-0343	4½	M.	57	54	--	14-tooth clam dredge
2577	31°47.5'	80°56.5'	12-11-60	0402-0432	4	M.S.	56	54	--	14-tooth clam dredge
2578	31°45'	80°45'	12-11-60	0603-0703	8-10	S.Sh.	72	55	--	40/45' 2-seam balloon trawl
2579	31°46'	80°33.5'	12-11-60	0820-0920	10-12	S.Sh.	60	61	--	40/45' 2-seam balloon trawl
2580	31°48.5'	80°21'	12-11-60	1038-1138	13	S.Sh.	72	66	--	40/45' 2-seam balloon trawl
2581	31°58.5'	80°09.5'	12-11-60	1255-1355	14	S.Sh.	72	68	--	40/45' 2-seam balloon trawl
2582	31°55'	78°05'	12-14-60	0633-1200	370	--	59	77	--	50' midwater trawl
2583	32°11'	77°24'	12-14-60	1335-1755	425	--	54	77	--	50' midwater trawl
2584	32°11'	77°22'	12-15-60	1844-0607	425	--	59	77	--	50' midwater trawl

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Created in 1849, the Department of the Interior--a department of conservation--is concerned with the management, conservation, and development of the Nation's water, fish, wildlife, mineral, forest, and park and recreational resources. It also has major responsibilities for Indian and Territorial affairs.

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